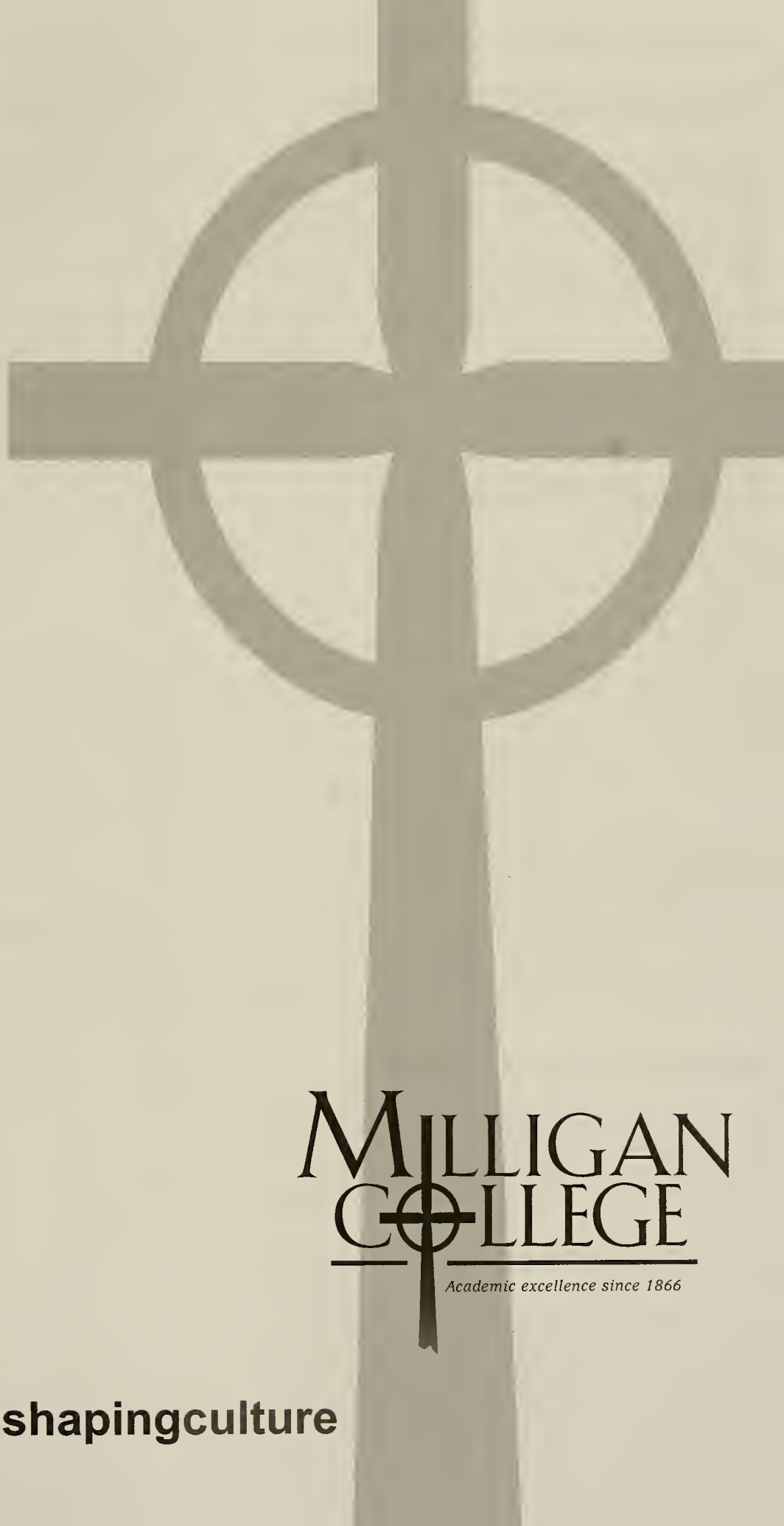
2003-04 catalog

MILLIGAN COLLEGE

Academic excellence since 1866

changinglives|shapingculture



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Academic Calendar

Fall semester, 2003

Residence Halls Open to New Students ..... August 16
Conference for Families of New Students ..... August 16
Matriculation of New Students ..... Evening of August 16
New Student Orientation ..... August 16 - 19
Residence Halls Open to Returning Students ..... August 17
Faculty Worship Service ..... 8:30 a.m., August 18
**Advising, Mentoring, and Registration ..... August 18 - 19
Classes Begin ..... August 20
Faculty Retreat ..... August 23
Fall Break ..... October 2 - 3
Thanksgiving Holidays ..... November 26, 27, 28
* ..... Classes resume at 4 p.m., December 1
Last Day of Classes ..... December 5
Final Examinations ..... December 8 - 11
Commencement ..... December 12

Spring semester, 2004

January term, 2004

Classes Begin; Classes End ..... January 5-10

Spring term

Residence Halls Open to New Students and Returning Students ..... January 11
New Student Orientation ..... January 12
**Advising, Mentoring, and Registration ..... January 12 - 13
Classes Begin ..... January 14
Spring Break ..... March 8 - 12
Easter Break ..... April 9 - 12
Awards Convocation ..... April 22
Last Day of Classes ..... April 30
Final Examinations ..... May 3 - 6
Baccalaureate and Commencement ..... May 9
May Term
Classes Begin; Classes End ..... May 10 - 28

Summer term, 2004

Registration ..... May 31
First Session Classes ..... May 31 - June 29
Second Session Classes ..... June 30 - July 30
Commencement ..... July 31

**Classes meeting once a week on Monday and beginning no earlier than 4 p.m.*
***All students must come to registration. This Catalog is published for the purpose of providing information about the College and its programs.*

About this Catalog

This Catalog is published for the purpose of providing information about the College and its programs. Announcements contained herein are subject to change without notice and may not be regarded in the nature of binding obligations to the College. Milligan College reserves the right to change prices, curricula, policies, and practices as described in this Catalog as circumstances, efficiency of operations, and fiscal contingencies may require.

Milligan College provides the opportunity for students to increase their knowledge by offering instruction in the various disciplines and programs through faculty who, in the opinion of Milligan College, are trained and qualified for teaching at the college level. However, the acquisition of knowledge by any student is contingent upon the student's desire to learn and the student's application of appropriate study techniques to any course or program. As a result, Milligan College does not warrant or represent that any student who completes a course or program of study will necessarily acquire any specific knowledge, or skills, or will be able to pass or complete any specific examination for any course, degree, or license.

Milligan College does not discriminate on the basis of race, sex, national or ethnic origin, age, or handicap.

Contact Information

Office of Admissions

Inquiries concerning admission to the college should be directed to:

Contact:	Director of Admissions
Address:	P.O. Box 210, Milligan College, TN 37682
Location:	McMahan Student Center, lower level
Phone:	423.461.8730 or 800.262.8337
Fax:	423.461.8954
Email:	admissions@milligan.edu
Web:	www.milligan.edu

Office of Financial Aid

Inquiries concerning financial aid should be directed to:

Contact:	Director of Financial Aid
Address:	P.O. Box 250, Milligan College, TN 37682
Location:	McCown Cottage, second floor
Phone:	423.461.8949 or 800.447.4880
Fax:	423.461.8755
Email:	nmbeverly@milligan.edu
Web:	www.milligan.edu

Office of the Registrar

Inquiries concerning transcripts, academic records, enrollment verification and course offerings should be directed to:

Contact:	Registrar
Address:	P.O. Box 52, Milligan College, TN 37682
Location:	Derthick Hall 103
Phone:	423.461.8788
Fax:	423.461.8716
Email:	shskidmore@milligan.edu
Web:	www.milligan.edu

Office of Residence Life

Inquiries concerning residence halls or available housing should be directed to:

Contact:	Director of Student Life
Address:	P.O. Box 500, Milligan College, TN 37682
Location:	McMahan Student Center, first floor
Phone:	423.461.8735
Fax:	423.461.8982
Email:	DBooth@milligan.edu
Web:	www.milligan.edu

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College Profile

Milligan College

Four-year private Christian liberal arts college integrating academic excellence with a Christian world view. Consistently named one of "America's Best Colleges" by U.S. News & World Report. Milligan's mission is: *As a Christian liberal arts college, Milligan College seeks to honor God by educating men and women to be servant-leaders.*

Academics

Academic program

Milligan offers students a Christian liberal arts education in a community of inquiry, responsibility and caring. The liberal arts are taught from a perspective of God's activity with humanity. The college's strong core curriculum educates students toward the world in an open and constructive way, to lead and to serve.

Degrees awarded

More than 25 academic majors. Bachelor of Arts, Bachelor of Science, Bachelor of Science in Nursing, Master of Education, Master of Science in Occupational Therapy.

Accreditation

Milligan College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone numbet 404-679-4501) to award bachelor's and master's degrees. Milligan's longstanding accreditation by SACS serves as a strong endorsement of the high quality of the college's programs and services.

Faculty

67 full-time faculty have career-based experience and more than 70 percent have earned the highest degree in their field from graduate schools across the U.S. and abroad. Milligan's faculty and staff are unapologetically Christian. They are mature and caring Christian scholars who are committed to world-class scholarship, excellence in teaching, their Chtistian faith, and the faith development of their students.

Student-faculty ratio

A low student-faculty ratio offers personal attention and class sizes that typically range from 10-15 students.

Student life

Student body

Milligan's 900 students come from more than 40 states and 10 nations.

Residence life

80% of traditional students live on campus in one of six residence halls or student apartments, creating a true collegiate environment. Each residence hall has a resident director (RD) and trained undergraduate resident assistants (RA) to help students with self-government, counseling and social and cultural programming.

Clubs and organizations

More than 25 service, honorary and professional organizations encourage servant leadership.

Athletics

Milligan is an athletic powerhouse in the Appalachian Athletic Conference (AAC) and National Association of Intercollegiate Athletics (NAIA), with 14 intercollegiate sports. Since 1995, Milligan has won more than 16 conference titles and made 12 national tournament appearances. In 2003, the college won its first national championship in the women's 5000 meters at the NAIA Indoor Track and Field National Championships. The college maintains high standards for its athletes and has produced numerous All-Americans, All-Conferences, and Academic All-American players. Men's sports include baseball, basketball, cross country, golf, soccer, tennis, and track and field. Women's sports include basketball, cross country, soccer, softball, tennis, track and field, and volleyball.

Spiritual life

Church affiliation

Throughout its history Milligan College has maintained an active relationship to the Stone-Campbell movement of the 19th century (non-denominational Christian churches/churches of Christ) — a religious movement committed to the restoration of New Testament Christianity and the unity of all believers.

Spiritual life and campus ministry

As a Christian community, Milligan offers a nurturing environment where students are strengthened and encouraged in their spiritual growth. Campus Ministry opportunities include weekly chapel, a convocation program, vespers, volunteer service and various Christian-based student organizations. Biblical truths are integrated into all classes. Students are active in many local churches.

Calling

Milligan's "Servant-Leader Experience" program is a comprehensive program encompassing the entire student experience. Through student life, spiritual life, and academic programs, the entire student experience at Milligan is designed to encourage students to reflect on how their faith is related to their career choices and what it means to be "called" to lives of service.

Location and facilities

Milligan's 145-acre picturesque campus is located in scenic northeast Tennessee, minutes from Johnson City in the dynamic Tri-Cities region. An All-America Region, the Tri-Cities is listed as one of the top 25-50 metropolitan areas in the U.S.

For more information about Milligan College, visit www.milligan.edu or call 800.262.8337.

Nature of the College

Character of the College

The Milligan College tradition is expressed in the motto "Christian Education—the Hope of the World." The curriculum includes a study of the Holy Scriptures as a requirement for the bachelor's degree. This requirement derives from the belief that God is revealed in His only begotten Son, Jesus, the Christ. This belief gives meaning to human life and is the only force of sufficient moral strength to create educational ideals of the highest order and to inspire the integrity to achieve them.

Milligan College has been coeducational from the beginning of its history. This policy rests upon the conviction that the problems of the entire social order are better solved when men and women share alike in basic knowledge.

It is a distinguishing characteristic of Milligan College that each course is taught with an awareness of how it fits into a biblical worldview. Such teaching is assured by the selection of a faculty in cordial sympathy with this view. A primary objective is to include Christian understanding and practice in the total of life's attitudes and activities.

Throughout its history Milligan College has maintained an active relationship to a religious movement committed to the restoration of New Testament Christianity. The Christian people participating in this movement consistently disclaim denominational status, and the faculty and trustees of the College maintain an intelligent awareness of a commitment to this position. The members of Milligan College feel that such a nondenominational position permits them to examine all aspects of life, secular and religious, in the light of the New Testament, unrestricted by human tradition. In this view of Christian faith, all vocations, avocations, and associations permitting the exercise of fellowship under the Lordship of Christ are expressions of good citizenship under God, in state, in church, and in society. In the Milligan College tradition students are confronted with a synthesis of learning. The College regards this synthesis of learning as essential to the understanding of and personal responsibility in the various relationships in life for the stewardship of which all must give account before God and humanity.

It is a further significant characteristic that Milligan College believes this objective obtainable through the presentation of the data of Christianity in its original form, the New Testament. Accordingly, no denominational or creedal tests are imposed upon any student in admission to membership in Milligan College or in the attainment of any of its honors, awards, or degrees.

The liberal arts are defined in Milligan College as those studies and disciplines through which the human spirit is freed and further endowed with moral power. The study of these arts is thus essential to the attainment and maintenance of a civilization of free people. Only those individuals who recognize the dignity and sanctity of human life can hold the concept of freedom. The possessor of that life, however, can enjoy the highest potential only through the disciplines of sound learning. This learning gives direction and meaning to life through time into eternity. A personality so equipped is the master of skills and facts, is never dominated by them, and uses them for the service of humanity and of God.

Thus, the purpose of liberal education is the development of persons to whom may safely be entrusted the vast scientific and technical knowledge and skill developed by research. Such a program includes more than the pursuit of "secular" studies in a "Christian atmosphere." It contemplates the inter-penetration of the three great bodies of learning: the realm of nature, the realm of humanity, and the realm of divinity. The practical application of the resultant synthesis in both vocational and leisure activities characterizes the life of a truly educated person.

Another characteristic of Milligan College is the sense of obligation assumed by the faculty. Applicants for admission to membership in Milligan College are considered in the light of this searching question: "What can we do for this student?" Therefore, with regard to each applicant who possesses adequate secondary education and expresses an acceptance of the approach described above, the College addresses itself to this question: "Has Milligan College sufficient facilities and understanding to realize the end product envisioned?"

Membership in Milligan College consists of those who sustain a relationship in one of the following categories: the Board of Trustees, the Board of Advisors, the Administration, the Faculty, the Staff, the Student Body, and the Alumni. This membership is a privilege conferred by the Institution and involves reciprocal responsibilities and concerns. The College at its discretion through established channels extends admission to membership in any one of the divisions.

Admission to membership in Milligan College carries with it a pledge of responsibility by students that they will subject themselves to the rigorous discipline of the above program. Men and women who choose to decline this responsibility forfeit the privilege of membership in the College.

Heritage

In the 1830s, freedom-loving people introduced the Restoration principles into the religious life of East Tennessee. They established churches and schools. Milligan College owes its beginnings to the school conducted in the old Buffalo Church, which is now the Hopwood Memorial Church.

On December 10, 1866, **Wilson G. Barker** established the Buffalo Male and Female Institute, a State of Tennessee chartered school. He constructed a building, and instruction began the next year. In 1875, **Josephus Hopwood**, a native of Kentucky, assumed the leadership of this academy.

In 1881 Hopwood announced both the elevation of the Institute to collegiate rank and the new name, Milligan College. He chose this name to honor **Professor Robert Milligan** of Kentucky University (Transylvania). President Hopwood regarded Milligan as the embodiment of Christian scholarship and Christian gentility.

President Hopwood sought to establish a four-fold program in the College. He looked to the physical sciences as the source of the conquest of the earth. He regarded history, philosophy, and the social studies as the source of human self-knowledge and self-government. He thought of professional and vocational education as a means of sustaining a free social order and of reducing scientific knowledge to the service of humanity in material civilization. He accepted a knowledge of revelation and the possession of Christian faith as the necessary controls through which one could establish and maintain a culture in blending the first three. To this end he adopted the motto, "Christian Education-the Hope of the World."

President Hopwood continued in the presidency until 1903 when he left Milligan to found a college in Lynchburg, Virginia. From 1903 to 1915, Milligan had six presidents. In 1915 Dr. Hopwood, who had completed the founding of the colleges in Virginia and Georgia since leaving Milligan in 1903, returned for a two-year interim presidency.

In 1917 **Henry J. Derthick** was inaugurated as the eighth president of Milligan. During this period Milligan College served many young people

from the Southern Highlands. The campus was expanded to some sixty acres, and the facilities of the College were increased. The Administration Building, now called Derthick Hall, was rebuilt after a fire. Dr. Derthick succeeded in bringing the College through the period of World War I and the Great Depression, preserving the academic integrity and quality of the College.

Dean Charles E. Burns succeeded to the presidency in 1940, just prior to the American entrance into the Second World War. In the crisis of that period, Milligan offered its entire facilities to the United States Government. From July of 1943 to the spring of 1945 a Navy V-12 program was conducted. Milligan was the only college in the United States given over completely to a Navy program.

The civilian work of the College was resumed under the presidency of Virgil Elliott in 1945. Two major problems confronted the College at this time. The breaking of ties with alumni and friends during the Second World War proved to be a serious handicap. No less difficult was the task of assisting a large number of ex-GIs to effect a transition from military to civilian life.

Dr. Dean E. Walker came to the presidency in January 1950 from a twenty-five year professorship at the Butler University School of Religion. Recognizing the need of the small college to play an increasingly large part in the educational program of the country, the College adopted a long-range development program. Students were enlisted from a larger area, encompassing most of the States and several foreign countries. During Dr. Walker's administration the campus was expanded to more than 135 acres of land. New buildings included the Student Union Building, Sutton Hall, Webb Hall, the P.H. Welshimer Memorial Library, the Seeger Memorial Chapel, and Hart Hall.

On November 1, 1960 Milligan received the Quality Improvement Award administered by the Association of American Colleges for the United States Steel Foundation. On December 1, 1960, Milligan College was admitted into membership in the Southern Association of Colleges and Schools.

In June 1968, Dr. Jess W. Johnson, having served in the capacity of Executive Vice-President for two years, was elevated to the presidency of the College on the retirement of President Dean E. Walker. The campus continued to develop under Dr. Johnson's leadership. The College constructed the following buildings: The Faculty Office Building (1969), the Science Building (1972), and the Steve Lacy Fieldhouse (1976).

On January 1, 1982, Marshall J. Leggert, the first alumnus to be chosen for the position, became the thirteenth president of the College. During his tenure, the College offered its first master's degree, the Master of Education. The College constructed the McMahan Student Center (1987) and renovated the old student union building as Paxson Communication Center. The College renovated the upper level of Hardin Hall to house the Arnold Nursing Science Center. Quillen, Kegley, and Williams Halls were built. During Dr. Leggett's tenure, enrollment increased 31%. Dr. Leggett retired on June 30, 1997, and became Chancellor.

Donald R. Jeanes, a Milligan alumnus, became the fourteenth president on July 1, 1997. Under his leadership, the College has continued its momentum. The master's program in occupational therapy enrolled its first class in August 1998. To accommodate this program addition, the lower level of Hardin Hall was renovated as the McGlothlin-Street Occupational Therapy Center (1998). The Occupational Therapy Program received professional accreditation in 2000. The College renovated Derthick Hall and the Baker Faculty Office Building. In July 2003 the College began its third master's degree program, the Master of Business Administration.

Mission

As a Christian liberal arts college, Milligan College seeks to honor God by educating men and women to be servant-leaders.

Milligan College offers programs of study leading to undergraduate or graduate degrees. These programs have as their objectives the following:

A Positive, Personal Christian Faith That Jesus is Lord and Savior
The expression "Jesus is Lord and Savior" is to be understood in its historical, biblical significance. Jesus, the Man of Nazareth, is God's Son, therefore, both Savior and Lord of Life. The attainment of positive, personal Christian faith means the commitment of one's life to this Jesus.

A Commitment to Follow the Teachings of the Christian Scripture in One's Personal and Social Ethics
This commitment involves a recognition of the norms of human conduct that derive their sanction from the Christian faith.

The Capacity to Recognize and Assume Responsibility in Society
The main functions of education are to arouse within the individual an awareness of indebtedness to one's fellow human beings, to foster in each a desire to assume personal responsibility, and to prepare the individual to fulfill his or her obligation to society.

The Knowledge, Meaning, and Application of Sound Scholarship
The student is led to develop a respect and enthusiasm for sound scholarship and to seek it with diligence and perseverance.

Preparation for Securing an Enriched Quality of Life for Self and Family
Courses of study and campus life are designed to develop the quality of aesthetic appreciation, to provide a background in the liberal arts, and to lead to the selection of a field of interest which will provide opportunities for a fulfilling life.

Participation in the Activities of a Healthy Lifestyle
This may be accomplished through intramural and intercollegiate sports, residence hall living, campus fellowship, and other student activities.

Goals

In endeavoring to achieve its Mission, Milligan College sets forth the following goals:

- Students will express the importance of their faith and the impact of Christian Scriptures in activities such as the following: written and oral discussions, participation in communities of faith, involvement in Bible studies, and faith-inspired service.
- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.
- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatrical groups, student clubs, student government, and other campus-sponsored extracurricular endeavors, in preparation for life-long participation in similar activities.

- Students, faculty, staff, and administration will create a responsible and caring community by giving attention to the needs and concerns of one another.

Pan-ethnicity

Milligan College views God's pattern of pan-ethnicity as an imperative for all components of the institution in all phases of its operations and therefore as our vision of the community we seek to become. By pan-ethnicity we mean the recognition of the contributions and worth of all nations, tribes, peoples, and languages. Pan-ethnicity involves the College in an ongoing exploration and pursuit of ways of encouraging such an attitude of community in its student body, faculty, administration, staff, and Boards of Trustees and Advisors.

Accreditation and memberships

Milligan College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award bachelor's and master's degrees.

The education program at Milligan is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave. NW, Washington, DC, 20036; telephone number 202-466-7496. This accreditation program covets initial teacher and advanced educator preparation programs.

The occupational therapy program at Milligan College is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), a division of The American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. Their phone number is 800-652-AOTA.

The College holds membership in the following professional organizations:

American Association of Collegiate Registrars and Admissions Officers
American Association of Colleges of Teacher Education
American Association of Independent Liberal Arts Colleges of Teacher Education
Appalachian Athletic Conference
Appalachian College Association
Council for Christian Colleges and Universities
College Placement Council
Council for Advancement and Support of Education
Council of Independent Colleges
National Association of College and University Business Offices
National Association of Independent Colleges and Universities
National Association of Intercollegiate Athletics
National League of Nursing
Tennessee Association of Colleges of Teacher Education
Tennessee Association of Independent Liberal Arts Colleges of Teacher Education
Tennessee Conference of Graduate Schools
Tennessee Council of Private Colleges
Tennessee Deans and Directors of Nursing Programs (sponsored by the Tennessee Board of Nursing)
Tennessee Foundation for Independent Colleges
Tennessee Independent Colleges Fund

Campus

Milligan College occupies a campus of more than 145 acres, rising eastward from the banks of Buffalo Creek. Richly endowed by nature and enhanced by skillful landscaping, the grounds possess unusual beauty.

Anglin Field, with its baseball diamond and softball and soccer fields, lies along the banks of Buffalo Creek. This attractive field is important in the activities of intercollegiate and intramural sports.

Derthick Hall, formerly the Administration Building, occupies the site on which the original brick building of the College was erected in 1867. After a partial renovation in 1978, the building was named in honor of Dr. and Mrs. H. J. Derthick. As part of the Central Campus Project initiated in May 2001, Derthick Hall underwent a comprehensive renovation.

Hardin Hall was built in 1913, honoring Mr. and Mrs. George W. Hardin. This building houses both the nursing and the occupational therapy programs including faculty offices, laboratories, reading and conference rooms, the health clinic, and general classrooms. The Beatrice J. "Jerry" Wilson Lecture Hall is named in honor of the wife of Edgar C. Wilson. In the Price Complex, named in honor of Dr. Eugene P. Price, are located the offices for the business faculty. The McGlothlin-Street Center for Occupational Therapy houses the College's master's degree program in occupational therapy.

Mary Hardin McCown Cottage is the building that houses the director of financial aid and the vice president for business and finance.

P.H. Welshimer Memorial Library is a three-story building that was first occupied in November 1961 and is the gift of the T.W. Phillips, Jr. Charitable Trust and the Phillips family of Butler, Pennsylvania, after an initial gift by the Kresge Foundation of Detroit, Michigan. The office of the President is located on the second floor. This building also contains a computer lab, the offices of the information technology staff, and the law library.

Seeger Memorial Chapel was dedicated November 4, 1967. The Chapel is a multi-purpose structure serving the College in worship, instruction, lectures, concerts, and drama. The main sanctuary-auditorium seats 1,300. The George O. Walker Auditorium, located on the lower level of the Chapel, accommodates 350 and is named in honor of George O. Walker, a long-time trustee and friend of the College. The Chapel was made possible through major gifts by Mr. Ura Seeger, West Lebanon, Indiana, and Mr. and Mrs. B.D. Phillips, Butler, Pennsylvania. The Wilson G. Barker Commons surrounds Seeger Chapel.

The Science Building was first occupied in 1972. The building has five 24-station laboratories, two classrooms, a 250-seat lecture hall, and several special-purpose rooms. The Charles Gee Gross Anatomy Lab, associated with the occupational therapy program, is named in honor of Dr. Gee by alumni and friends of the College.

Sutton Memorial Hall stands on the high campus toward the east. The residence floors have thirty suites for women. The hall contains a large social room, the Joe and Lora McCormick Dining Center which seats about 400, the kitchen, and storage rooms. The hall bears the name of Webb and Nanye Bishop Sutton, whose vision and generosity made the construction possible. It was dedicated in 1956.

Webb Memorial Hall, a gift of Mrs. Nanye Bishop Sutton, was completed and occupied in January 1960. It provides accommodations for 172 men.

Hart Hall, an air-conditioned residence hall for 188 women, was completed in September 1965. In May of 1968 it was named in honor of Dr. and Mrs. John M. Hart.

Renovated in 2000-2001, the **Baker Faculty Office Center** houses most of the faculty on campus. It is named for Albert and Rhea Baker, friends of Milligan College and strong supporters of Christian education. Adjacent to it, the Paul Clark Education Center houses Milligan's undergraduate and graduate programs in teacher education. It is named for Dr. Paul Clark, a longtime professor of teacher education at the College.

Little Hartland Hall, a gift of Mr. and Mrs. John M. Hart, was completed in 1976 and serves as the official residence for the President of the College.

Steve Lacy Fieldhouse was funded by gifts from the B.D. Phillips Memorial Trust and the Kresge Foundation. Lacy contains a regulation basketball court, a 25-meter swimming pool, classrooms, and other facilities designed to accommodate Milligan's philosophy of lifetime sports. Operation of this facility began in 1976.

McMahan Student Center, built in 1987, was a gift of Grace Hart McMahan in memory of her husband, John E. McMahan. It provides a focal point of campus fellowship and includes a snack bar, recreation room, lounge, study carrels, TV room, bookstore, career resource center, Student Government Association conference room, and office for campus activities. On the lower level of the Student Center are the offices of the vice president for student development and the vice president for enrollment management.

Lowell W. Paxson Communications Center contains classrooms, editing rooms, a darkroom, and well-equipped studios for both radio and TV productions. The center was made possible through a gift from Lowell W. Paxson.

The three newest residence halls on campus each have six suites consisting of four single rooms, a living room area, and bathroom. **Williams Hall** is named in honor of Milligan College alumnus and federal judge, Glen M. Williams. **Quillen Hall** recognizes Congressman James H. Quillen. **Kegley Hall** honors Milligan College graduate, J. Henry Kegley, a local businessman.

Student Life and Services

For more complete information about student services available at Milligan College as well as the guidelines in disciplinary matters, see the *Student Handbook* available in the Office of the Vice President for Student Development.

Activities and organizations

All social activities must first be approved by the Student Development Office and then entered on the College Master Calendar. The College seeks to encourage the development of an active and meaningful social life for all students.

Fine arts

The fine arts program at Milligan College enriches campus life through the exhibition of painting, sculpture, and photography. Numerous exhibitions of guest artists as well as student exhibitions displaying recent art and photography work take place each year in the **Ground Zero Art Gallery** on campus. Milligan College drama, which involves a large portion of the student body, has frequently received critical acclaim. The **Festival of One Act Plays and Short Films** is now in its 17th year. SUB 7 coffee house serves as a campus venue for other displays and performances of the fine arts.

Music

There are four choral ensembles at Milligan College. The **Concert Choir**, a choir of both men and women, tours annually throughout the United States, appearing at churches, high schools and conventions. **Chamber Singers**, also a mixed choir, performs madrigals and other vocal chamber music. **Milligan Singers**, a women's group, performs a wide variety of contemporary and classical music. **Milligan Men**, a men's group, performs spirituals, anthems, contemporary arrangements, and popular secular songs. All choral ensembles perform both on- and off-campus. In the spring these ensembles combine as the Choral Union to perform larger choral-orchestral works.

Nine instrumental ensembles are available at Milligan College. Students have the opportunity to perform in **Brass Choir**, **Chamber Orchestra**, **Civic Band** (performing with the Johnson City Community Concert Band), **Jazz Ensemble**, **Johnson City Symphony Orchestra**, and **Pep Band**. Other smaller instrumental ensembles include **Early Music Ensemble**, **Beginning String Ensemble**, and **String Quartet**. Most instrumental ensembles perform both on- and off-campus. Early Music Ensemble is a consort of strings and recorders, or other early instruments.

Heritage, a small *a cappella* ensemble, is an auditioned group of four to eight men and women performing on- and off-campus for churches and service clubs. Participation in Heritage earns college credit and scholarship assistance for its members.

Publications and media

Students interested in journalism or creative writing may find an opportunity for self-expression through the medium of several publications of the College: the College newspaper, *The Stampede*; the College yearbook, *The Buffalo*, which presents a pictorial history of the year's activities; and the College literary magazine, *Phoenix*, which accepts original work from students and faculty. Students interested in broadcasting may join the staff of WUMC 90.5 FM (campus radio station).

All Milligan College printed communication with an external audience (off-campus) must be submitted to the **Public Relations Office** for approval. All printed communication with an internal audience (on-campus) must be submitted to the **Publicity Council**.

All printed communication (e.g. brochures, flyers) and all uses of the Milligan College logo must follow the guidelines in the *"Publication Policy, Identity Standards and Style Guide"* document available from the Public Relations Office. These guidelines also apply for all events held on Milligan's campus, even if not officially sponsored by the College. It is the responsibility of the Milligan College contact to make the parties aware of these policies.

Representative organizations

Operating under a constitution approved by the administration of the College, the **Student Government Association** serves as the official representative voice of Milligan College students and promotes academic, social, and religious activities for the campus community.

The **Student Government Association** (SGA) consists of the following elected members: president, vice president, secretary, treasurer, the president of each class, four other representatives from each class (two females and two males). In addition to the elected positions, SGA seeks representation for commuters, married students, residence halls, and international students. The composition of these other representatives changes annually depending on the needs of the student body.
The residence hall councils are organizations responsible for community life in the residence halls.

Student organizations: professional, social, and recreational

All professional and social organizations of Milligan College are designed to aid the students in fulfilling themselves and reaching their full potential religiously, academically, socially, and creatively. The following organizations were originated by students and have received the sanction of the College. Additional professional or social organizations may be added to this list upon the initiative of several students who present a charter to the College, select a faculty adviser, and demonstrate that the proposed organization is in keeping with the purposes and philosophy of Milligan College.

Alpha Chi is a collegiate national honor society. The association is open to juniors and seniors in the top 10% of their class with a grade point average of at least 3.5.

Alpha Psi Omega, the national theatre honorary society, is active on campus with membership based on a point system whereby points are earned by participating in the many facets of theatre work on campus. Popular current projects include sponsoring the yearly Festival of One Act Plays and a touring production that travels to area public schools.

The Association of Christian Ministers gives students an opportunity to meet and discuss topics that are related to Christian ministries. The association is open to all students, with Bible majors and minors encouraged to join.

Buffalo Ramblers is an informal association of those members of the Milligan College family who enjoy exploring on foot the scenic gorges, peaks, caves, and waterfalls surrounding the College.

College Republicans is an organization made up of students interested in local, state, and national politics.

Fellowship of Christian Athletes is open to all who participate in Milligan sports or intramurals. The purpose is to encourage Christian character among those who participate in athletics.

French Club membership is open to all students who are interested in the French language and customs.

Human Performance and Exercise Science Club seeks to foster a greater interest in health and wellness in the Milligan community and to form unity among those interested in HPXS.

Missions Club provides the opportunity for students to come together in fellowship and to pray for missions efforts around the world.

Milligan Students for Life is a pro-life group offering opportunities to counsel unwed mothets, to hear local speakers on the abortion issue, and to march in the *National March for Life* in Washington, D.C.

Music Educators National Conference has a student chapter on the campus. Its purpose is to afford students the opportunity for professional musical orientation and development. These students also sponsor receptions after some concerts and serve as ushers for these events.

Omicron Psi is a national honor society for non-traditional students. The association is open to juniors and seniors at least 24 years of age, with a grade point average of at least 3.0.

Phi Alpha Theta is an honorary history society with more than 270,000 members in over 850 chapters in colleges and universities across the United States. Phi Alpha Theta's mission is to promote the study of history through the encouragement of research, good teaching, publication, and exchange of learning and ideas among historians. Milligan history students established the Alpha Iota Tau chapter of Phi Alpha Theta during the Spring 2001 semester.

Pre-Med Seminar offers lectures by guest speakers and fellowship with other pre-med majors.

Publicity Council is open to students who are interested in helping provide effective communication on campus about upcoming events.

Rotaract Club provides an opportunity for students to grow in their leadership skills and to promote better relations among all people worldwide through a framework of friendship and service.

Service Seekers is an organization open to all students interested in serving throughout the area. Activities include volunteering and leading worship at a local retirement community.

Sigma Tau Delta is a national English honor society that promotes interest in literature and the English language.

Spanish Club is open to students interested in improving their abilities to speak Spanish and to provide outreach to the Hispanic community.

Student Nursing Association brings together both traditional and non-traditional aged nursing students.

Student Organization Council is made up of the presidents and committee chairs of all organizations recognized by the Student Development Office. Its purpose is to coordinate programs and to keep organizations informed about each other.

Students in Free Enterprise is open to all students with an interest in service to others by teaching the principles of market economics, entrepreneurship, business ethics and personal financial success. Students participate in numerous service projects and present their results in regional and national competition.

Teacher Education Club is made up of students preparing for a teaching career. Topics of discussion in the club meeting are related to specific areas of service in the teaching professions.

Volunteer Milligan is a service organization that reaches out to the surrounding community by offering their services to various organizations that need additional help in special projects.

Athletics

Milligan College encourages participation in intercollegiate athletics. A limited number of grants-in-aid will be awarded each year on a merit basis.

Milligan College is represented in intercollegiate athletics in basketball, baseball, tennis, softball, volleyball, golf, cross-country, track and soccer. Milligan College is a member of the National Association of Intercollegiate Athletics (NAIA) and the Appalachian Athletic Conference (AAC). There is also the opportunity to participate in the athletics program as a member of the varsity cheerleaders.

The intramural program of athletics is designed to encourage participation by all students in some sport. A choice of activities is offered including basketball, flag-football, volleyball, and softball. In addition, there are several individual recreational opportunities offered such as hiking, skiing, and scuba diving.

Automobile

The privilege of using an automobile is granted to all students. The College will not be responsible for any personal or public liability growing out of the student's use or possession of the car on or off campus. The vehicle must be registered with the Student Development Office and have a parking sticker displayed in the rear window or it is subject to removal from campus at the owner's expense.

Students who repeatedly violate the vehicular regulations may lose the privilege of having a vehicle on campus.

Rules governing student use of motor vehicles are determined and administered by the Student Development Office and the traffic court.

Chapel/convocation

Attendance at the chapel/convocation services is required of all full-time day undergraduate students. Eight semesters of satisfactory chapel/convocation attendance are required for students completing all baccalaureate course work at Milligan College. Students who do not attend the required number of services may not be eligible to return to Milligan College for the following semester.

Community

The visitor to the Milligan College campus invariably notices the friendliness and spirit which characterize the entire Milligan College circle, faculty and students alike. Each student has an adviser. This experienced faculty member is concerned that the student not only excels academically but also benefits from the opportunities afforded by a small college environment.

Provision for a well-rounded social life receives special attention. Student committees plan recreational and social activities. Initiative in student participation is encouraged.

The cultivation of high ideals and good habits, together with their expression in social poise and consideration for others, is a major concern.

Individual counsel and other friendly help are always available to each student. We speak of "membership" in Milligan College rather than "attending" Milligan College.

Federal laws and acts

Family Educational Rights and Privacy Act

The *Family Educational Rights and Privacy Act of 1974*, as amended, is a federal law which states (a) that a written institutional policy must be established and (b) that a statement of adopted procedures governing the privacy rights of students be made available. The laws provide that the institution will maintain the confidentiality of student education records.

Milligan College accords all the rights under the law to students who are declared independent. No one outside the institution shall have access to nor will the institution disclose any information from students' education records without the written consent of students except to personnel within the institution, to officials of other institutions in which students seek to enroll, to persons or organizations providing students financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with a judicial order, and to persons in an emergency in order to protect the health or safety of students or others.

Within the Milligan College community only those members, individually or collectively, acting in the students' educational interest are allowed access to student education records.

At its discretion, the institution may provide directory information in accordance with the provisions of the Act to include: student name, address, telephone number, e-mail address, date and place of birth, major field of study, dates of attendance, degrees, honors, and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, grade level, enrollment status, and weight and height of members of athletic teams. Students may withhold directory information by notifying the Registrar's Office in writing within two weeks after the first day of class for the fall and spring terms. The institution honors requests for non-disclosure for only one semester; therefore, authorization to withhold directory information must be filed each semester in the Office of the Registrar.

Student Right to Know and Campus Security Act

Information relative to the *Student Right to Know and Campus Security Act* (Public Law 101-542) is available in the Office of the Vice President for Student Development. This information includes campus crime statistics and graduation rates by athletic participation, gender, and ethnicity.

In accordance with the *Tennessee College and University Security Information Act of 1989*, Milligan College has prepared a report containing campus security policies and procedures, data on campus crimes, and other related information. A free copy of this report may be obtained by any student, employee, or applicant for admission or employment from the Office of Student Development, Milligan College, Milligan College, Tennessee 37682.

Health

Milligan College takes every reasonable precaution to prevent accidents and illness. The services of a nurse are provided in a clinic on the campus to care for minor ailments and any emergency. Students are expected to report at once to the college nurse any accident or illness. When necessary, referral is made to local physicians.

The College cannot assume financial liability for off-campus physician and hospital services. Most families are protected today for medical and hospital claims through special insurance programs. For those not so covered, the Student Development Office provides information on available insurance through private agencies. Premium payment is the responsibility of the individual student. All students participating in intercollegiate athletics are required to show coverage in an accident and hospitalization program.

Mental and social health is also a concern of the College. Counselors are available for some counseling in these areas. In addition the services of area mental health facilities can be utilized. However, the College is not equipped to provide long-term, in-depth psychotherapy or psychiatric care.

Residence life

Since many campus activities are centered within the residence halls, the College encourages all students to take advantage of this valuable experience; therefore, Milligan College is primarily a residential college. All students living off-campus must receive prior approval from the Student Development Office. Maintenance or use of any separate quarters without prior approval from the Student Development Office subjects the student to suspension/dismissal.

The director in each hall helps create an atmosphere, which is most conducive to the best community life. The residence hall director is assisted by resident assistants who are part of the staff of the vice president for student development.

Residence hall rooms are equipped with all necessary furniture. Students are required to leave all school-provided furniture in their assigned rooms. Students supply blankets, pillows, bedspreads, curtains, rugs, study lamps, and accessories.

The College reserves the right to inspect residence hall rooms at all times and may, if necessary, conduct a search at the direction of the vice president for student development. The rooms are subject to spot checks by the residence hall director who is required to approve the use and condition of each room.

Damage to the room or its furnishing will be assessed to the occupants of the room who accept responsibility for its use and condition. Damage to common areas will be assessed to all residents of that hall.

All residence halls and the dining hall are closed during college vacations. Students will not be permitted to stay on campus during these periods without permission from the Student Development Office.

Any student without a roommate will be charged the private room rate unless no roommate is available.

Telephone, cable and Internet service is available in all residence hall rooms. Each residence hall room has a network connection for each bed to provide access from the students' own computers to the campus network. Students must provide their own telephones and calling cards for long distance calls.

Married student housing

Milligan College has apartments available for married students. These units are totally electric, including heating and air conditioning. All of the apartments are unfurnished. Additional information may be obtained by contacting the Student Development Office.

Spiritual life and campus ministry

Milligan College addresses spiritual life through its campus ministry program. Milligan College has a campus minister to help meet the needs for the faith development of the campus community. The campus minister is responsible for planning the chapel services in addition to working with the campus ministry team in organizing vespers and other student ministries.

Milligan College has, from its beginning, held the chapel program as an integral part of campus life. The primary purpose of chapel is to provide the campus community an opportunity for corporate worship. The chapel service is respectful and inclusive of the entire College community and employs the variety of talent, worship styles, creativity, and sentiments of the College community in worshiping together.

The Campus Ministry Team is a committee of the Student Government Association that works in conjunction with the campus minister. Any student may get involved with the group and help in the preparation of several campus events designed for faith development. Some of these events may include vespers services, small groups, prayer vigils, retreats, and special emphasis weeks.

Milligan College encourages student involvement in local congregations. Local churches welcome Milligan students and seek to provide them with opportunities for service and fellowship. Interaction with Christians outside the Milligan College community is a valuable experience, especially for those who are unable to return home on a regular basis. Students can contact the Church Relations Office for further assistance in identifying a local congregation with which to worship.

Student guidelines

Conduct

Milligan College is intent upon integrating Christian faith with scholarship and life. Because of this Christian commitment, Milligan College values the integrity of each individual. However, the action of each person affects the whole community. While attending Milligan College, each student is considered a representative of the College whether on or off the campus. The College, therefore, reserves the right to refuse, suspend, or dismiss any student. Public disclosure of reasons shall be at the discretion of the President.

Lifestyle

Milligan College adopts specific rules on the basis of the belief that God's Word, as the final rule of faith and practice, speaks on many matters pertaining to personal conduct. Therefore, behavior that conflicts with Scripture is unacceptable. Historically, communities have also developed guidelines that help put into practice basic moral and social principles. Such standards serve as a guide toward worthwhile goals relevant to one's academic, spiritual, social, and physical well-being. Specifically, the student agrees to abide by a lifestyle commitment in which he or she refrains from the use or possession of alcoholic beverages or illegal drugs. The student also agrees to refrain from pornography, profanity, dishonesty, sexual immorality, unethical conduct, vandalism, and immodest dress. Students are expected to observe the Lord's Day in worship and to seek to serve Christ in an atmosphere of trust, encouragement, and respect for one another.

Student complaint policy

After all appropriate appeals processes have been exhausted at the departmental level, students may lodge formal complaints, in writing, as follows:

Student Affairs Issues (e.g., housing, food service, student activities, athletics, intramurals, spiritual life, parking): Complaints should be directed to the vice president for student development.

Academic Affairs Issues (e.g., faculty, courses, schedules, transcripts, information technology, registration): Complaints should be directed to the vice president for academic affairs.

Business Affairs Issues (e.g., financial aid, workstudy, student accounts, bookstore, physical facilities and grounds): Complaints should be directed to the vice president for business and finance.

The vice president (student development, academic affairs, or business and finance) will respond to complaints within a reasonable time.

Should the response be unsatisfactory, or should a complaint arise for an area not listed above, a formal written complaint may be submitted to the Office of the President.

Admission

For information about admission to the programs of study in Adult Degree Completion Program [Business Administration] (ADCP), the Master of Education (MEd), the Master of Science in Occupational Therapy (M.S.O.T.), and the Master of Business Administration (M.B.A.), refer to the academic program section for each of these programs.

Undergraduate Admission

Freshman class

Character, ability, preparation, and seriousness of purpose are qualities emphasized in considering applicants for membership in Milligan College. Early application is encouraged. Those who are interested in attending Milligan College are encouraged to visit the campus. Arrangements should be made in advance with the Admissions Office.

Overall excellence of performance in high school subjects as well as evidence of Christian commitment and academic potential provides the basis for admission to Milligan College. While no specific course pattern is required for admission, the applicant is strongly encouraged to include in the high school program the following subjects:

1. College preparatory English
2. College preparatory mathematics
3. College preparatory science
4. College preparatory history and/or social science
5. Two years of a single foreign language
6. Some work in speech, music, or art in preparation for study in a liberal arts curriculum.

To provide further evidence of academic ability, the applicant must take the *American College Test (ACT)* or *Scholastic Assessment Test (SAT-I)* and furnish the College with either of these scores. Freshmen applicants who are 21 years of age of older at the time of application are not required to submit ACT or SAT- 1 results.

The admissions procedure includes the following steps:

1. The student will obtain an application form, forms for requesting transcripts and references, a catalog, and other literature from the Admissions Office or from the Milligan College Web site at www.milligan.edu.

2. The student will return the completed application with a non-refundable application fee of $30.00 to the Admissions Office. The application may also be filed online at www.milligan.edu.

3. The Admissions Committee will review the application when the following credentials are on file: high school transcript, ACT or SAT-I scores, and two references. The Admissions Committee may also request an interview.

4. The Admissions Office will notify the applicant of the decision regarding his or her admission, and any relevant conditions. Admission is subject to the successful completion of high school (or completion of current college term). The student must provide final high school transcripts showing proof of graduation (or final college transcript, if a transfer student).

5. Upon admission to the College, the student must submit an enrollment deposit. The enrollment deposit is non-refundable after May 1. Upon enrollment, the deposit will be applied to the student's account.

Home school

Home school students should follow the admissions procedure outlined above. If the student is under the supervision of a home school agency, etc., a transcript should be sent by the agency, etc. directly to the Admissions Office. If the student is not under the supervision of a home school agency, etc., he/she must submit a portfolio of high school course work including a writing sample and a reading list of literary works completed.

International students

Milligan College is approved by the *United States Department of Justice* for education of non-immigrant alien students. International students must present a TOEFL score of at least 550 on the paper-based examination or 213 on the computer-based examination. They also must provide an affidavit of support and prepay all expenses for one year. $500 of the prepayment is non-refundable. All admission materials must be received by June 1.

Students who reside in the following countries should not submit a TOEFL score: United Kingdom, Republic of Ireland, Canada Australia, and New Zealand. Rather, they should submit ACT and/or SAT-I scores.

International students must complete a writing sample during new student orientation unless excused by the writing faculty. The writing sample determines the need for placement in HUMN 093 Fundamental College Writing. International students with no ACT or SAT I scores and no college-level (non-developmental) math course with a grade of C- or above also must take a math competency examination to determine the need for MATH 090 Developmental Mathematics. Placement in HUMN 091 College Reading and Study Skills is determined on a case-by-case basis.

Non-degree seeking students

Students who are not seeking a degree at Milligan College may be in one of the following categories:

1. Special students are those who are not admitted as degree-seeking students but who demonstrate the potential to successfully complete some college-level courses. The academic dean must grant special student status at the beginning of each semester. Special students are not eligible for institutional scholarships or state or federal financial aid. They may not participate in intercollegiate athletics. At the end of each semester, special students may apply for admission as degree-seeking students.

2. Transient students are those who are a) seeking a degree at another institution or b) not enrolled at any institution but wish to enroll in selected courses at Milligan College. Transient students must submit to the Admissions Office a letter requesting admission and an official transcript from the last institution attended. The registrar evaluates these documents and determines whether or not the applicant may be admitted as a transient student. Transient students are not eligible for institutional scholarships or state or federal financial aid. They may not participate in intercollegiate athletics.

Returning students

A student who has withdrawn from Milligan College in good social and academic standing should complete an application for readmission and submit it to the Admissions Office. An official transcript(s) of all college course work attempted since withdrawing from Milligan must also be submitted to the Admissions Office. The Admissions Committee will consult representatives from the student accounts, financial aid, and student development offices in making a decision regarding the student's readmission and will send the student a letter stating the decision.

A student who has been academically or socially dismissed may, after one semester, reapply for admission by observing the following procedure:

1. In addition to completing the application for readmission and submitting official transcripts, the student should submit a letter presenting justification for readmission.

2. The registrar will evaluate the student's original records and any course work completed since the suspension. The vice president for enrollment management will consult representatives from the Student Accounts and Financial Aid Offices and review social dismissal with the vice president for student development.

3. If there is reason to believe that the student would profit from another opportunity to do college work, the College will allow the student to enroll with probationary status following at least one semester of suspension.

4. If it is necessary to suspend the student a second time, that student will not be eligible to apply for readmission.

Transfer students

Transfer students are those who have completed twenty-four or more college credit hours after high school graduation at the time of application to Milligan College. Students who wish to transfer from an accredited college, who merit a letter of good standing and who have a grade point average of at least 2.0 on a 4.0 scale will be considered for admission to Milligan College. Such applicants should follow the procedure outlined above, except that ACT or SAT-I scores and high school transcripts are not required. In addition applicants must furnish the College with official transcripts of all previous college work.

Transfer applicants with fewer than 24 college semester hours earned at the time of application, must also submit an official high school transcript and ACT or SAT-I scores (if under 21 years of age).

Overall excellence of performance in previous college work and evidence of Christian commitment and academic potential provide the basis for admission of transfer students to Milligan College.

The associate registrar evaluates transfer credits for all entering transfer students prior to the students' enrollment at Milligan College. Students who do not request a transfer evaluation prior to two weeks before the beginning of the term receive a copy of the evaluation during new student orientation.

Transfer students must complete a writing sample to determine writing proficiency. If they have no ACT or SAT-I scores and no college level (non-developmental) math course with a grade of C- or above, they also must take a math competency examination. The writing sample and the math examination are completed during new student orientation. Transfer students also must demonstrate computer competency prior to graduating from Milligan College.

Audits

No credit will be allowed for audit courses, and a grade of "AU" will be assigned. Full-time Milligan College students wishing to audit classes may do so as part of their regular course load. Transient students who wish to audit courses must submit a letter to the Admissions Office requesting admission for this purpose; registration follows approval of the letter of application.

Adult Degree Completion Program (ADCP)

For information about admission to the college's Adult Degree Completion Program, see "Business: Adult Degree Completion Program" on page 51.

Ceremony of matriculation

After all admission requirements have been met, including orientation activities at the beginning of the year, the candidate for admission may participate in the ceremony of matriculation. At the conclusion of a general assembly, the candidates sign the matriculation book and officially become members of the Milligan Community.

GED

Students who have earned a *General Education Development* certificate (GED) should follow the procedure outlined above for a freshman applicant. Official results of the GED examination should be sent to the Admissions Office. An official high school transcript should also be submitted detailing course work that was completed prior to the earning of the GED. The Admissions Committee may request an interview with the applicant. GED students are required to submit ACT or SAT-I scores if they are under 21 years of age at the time of application. If 24 college semester hours have been earned at the time of application, ACT or SAT-I scores are not required, regardless of age (and official college transcripts should also be submitted).

Graduate Admission

For information about admission to the college's graduate programs, please see the appropriate section of this Catalog:

- Master of Business Administration -- see "Business: M.B.A." on page 48
- Master of Education -- see "Education: M.Ed." on page 77
- Master of Science in Occupational Therapy -- see "Occupational Therapy: M.S.O.T." on page 114

Financial information

Milligan College is an independent nonprofit institution. Tuition, fees, and other charges paid by the student represent only a part of the instructional and operating expenses of the College. The balance needed to meet the expenses of the College, as well as continuing additions to the physical plant, comes from endowment funds and contributions by alumni, churches, businesses, foundations, and friends of Milligan College.

Tuition and other basic charges for traditional undergraduate students, 2003-04

	Per Semester
Tuition (12-18 hr. per semester)	$7,375.
Board (20-meal plan)	1,175.
Room (double room)	1,125.
Student Activity Fee*	55.
Technology Access Fee*	175.
Health Fee*	25.

*See "Explanation of Fees" section of the Catalog.

Other tuition charges

Traditional Day	Per Semester Hr.
1-5 hrs.	$260.
6-11 hrs	$365.
Over 18 hrs (per hour)	$405.
M.B.A. Program	$375.
M.Ed. Program**	$260.

***The Master of Education tuition rate becomes effective for fall of 2003.*

M.S.O.T. Program	$425.
ADCP (Business Administration)	
Returning Students	$245.
New Classes	$260.
Summer School	
Pre-registration	$300.
Registration	$320.
Intersession	$300.

Special room and board charges, 2003-04

	Per Semester
Single Room (when available)	$1,325.
A board plan is required for residence hall occupants:	
20-Meal Plan	$1,175.
14-Meal Plan	$1,125.
10-Meal Plan	$1,100.
Snack Bar Plus	$40.

Other charges for part-time students

	Per Semester
*Technology Access Fee (5 hours or less)	$90.
*Student Activity Fee (part-time)	$27.
*Health Fee	$25.

**See "Explanation of Fees" section in the Catalog.*

Special classes and lab fees

	Per Semester
ART 441	$5.
BIOL 200	$65./hr
EDUC 150, 343, 406, 408, 520, 565, 576, 577	$10.
EDUC 152	$5.
EDUC 355, 356	$15.
EDUC 441	$20.
EDUC 452, 453, 454, 455	$150.
EDUC 456, 553	$50.
EDUC 541 (Art portion of course only)	$5.
EDUC 551, 552	$100.
Science laboratory fee	$30.
Language lab fee	$10.
HPXS 101	$15.
HPXS 158 and 159	Fee for off-campus instruction
HPXS 160	$25.
HPXS 302F	$55.
HPXS 310A	$20.
HPXS 310B	$50.
HPXS 409	$45.
HUMN 200 (Humanities European Study Tour)	$100./hr
MUSC 101(piano), 102, 124, 201, 211	$75.
MUSC 143-144, 243-244	$25.
(a maximum fee of $150 for any combination of the music courses listed above)	
NURS 201C, 202L, 220C, 300, 301C, 310, 313, 323, 410, 422	$15.
NURS 320	$45.
NURS 403	$30.
NURS 460	$130.
OT 531	$140.
OT 535, 610, 642	$30.
OT 615	$60.
OT 620	$20.
OT 625	$100.
Tuition charges in applied music	$150./½ hr

Other fees

Application fee (non-refundable)	$30.
Audit fee	$30./hr
Change of course fee	$10.
Diploma and graduation fee (graduate)	$65.
Diploma and graduation fee (undergraduate)	$35.
Late registration fee	$35.
CLEP fee (per instrument)	$46.
Administrative fee (Milligan students)	$12.
Administrative fee (non-Milligan students)	$15.
DANTES fee (per instrument)	$55.
Posting of credit by examination (Advanced Placement, CLEP, etc.)	$10./hr
Lifetime Transcript Fee (new students)	$20.
Health Fee	$25.

The College reserves the right, beginning any semester or session, to change the charges for tuition, fees, room, and board without written notice.

Explanation of fees

Student activity fee

The student activity fee is used to fund 100% of the Student Government Association (SGA) budget. Thus, the student body spends every dollar of the fee. These funds are distributed to twenty different committees and organizations. These SGA committees provide a wide variety of activities and services to students throughout the year, including spiritual activities, concerts, social events, campus radio station, literary publications, and more. In addition, students receive copies of the student newspaper, The Stampede, and a copy of the Milligan College yearbook.

Technology access fee

The technology access fee is used to provide an extensive campus-wide computer network system consisting of fiber optic cabling, file servers, software, unlimited Internet availability, e-mail, and direct access from each residence hall room and several on-campus fully equipped student computer labs. The Library catalog is accessible through the network; and, through it, students can connect to other libraries and information databases. Computer lab software includes the Microsoft Office products Word, Excel, Access and PowerPoint, Logos (Bible-study software), and various other programs for use with specific classes. This fee enables students to access the system for obvious added academic benefits.

Computer labs are available to all students. Students who provide their own computers may access the computer network directly from their residence hall room. Suggested specific computer configurations are available from the information technology staff. The Milligan College Bookstore has computer systems, supplies and network cards available for purchase.

Lifetime transcript fee

All new students will be charged a one-time fee for lifetime transcripts. Students can request a transcript from the Office of the Registrar.

Health fee

All full-time and part-time traditional students will be charged a health fee, which supports health clinic services.

Financial registration policy

To enable the College to be responsible in meeting its financial responsibilities, students must make provision for the payment of the college bill at the beginning of each semester. A student's registration for classes is an obligation and commitment to pay for related charges as stated in the College Catalog. Only students who have settled their accounts for the previous semester will be permitted to register on registration day.

Advanced financial planning by the student is imperative. The College makes advance mailings of a pre-bill before each semester to assist students in this matter. The pre-bill has three major components, which include anticipated educational costs, financial aid (excluding work-study), and balance. The pre-bill is a valuable tool that allows students and/or their parents to perform advanced financial planning. Students who do not complete and return their pre-bill to the Business Office before registration will likely encounter delays on registration day.

It is the student's responsibility to make payment arrangements with the Student Accounts Office. This can generally be accomplished with proper and timely completion of the pre-bill.

Meal plan options

Milligan College offers students three meal plans: the 20-meal plan, which offers three meals per day Monday through Saturday and two meals on Sunday; the 14-meal plan, which offers 14 meals per week at the student's choice; the 10-meal plan, which offers 10 meals per week at the student's choice.

Students have two chances to change their meal plans, at registration or on the pre-bill that is mailed directly to them prior to the start of school. Students who do not select a new meal plan will be given the meal plan from last semester or a 20-meal plan. Students may make no meal plan changes after registration.

Transfer meal option

Students on any meal plan can use their meal plan at the grill. The transfer meal option allows ten meals per semester to be taken at the grill rather than at the cafeteria. Meals may be exchanged Monday through Friday at lunch 11:30 a.m.-2 00 p.m. or at dinner 5:30-8:00 p.m. A rotation of menu selections is offered and is all-inclusive (sandwich, side item, dessert or fruit, and drink). This feature enhances the food service by offering more flexibility to the campus population at no extra charge and is automatically included on each meal plan.

Snack bar plus account (SBP)

The Snack Bar Plus (SPB) account is an option that provides a $50 meal credit line at the SUB (McMahan Student Center Snack Bar) for an additional charge of $40 to your meal plan. This 20% bonus credit is only available to accounts purchased with meal plans at pre-registration and registration.

This added flexibility allows students to grab a quick snack or meal at their convenience with the ease of a prepaid credit card. Additionally, if students need to add to their credit lines, they may do so at any time after registration. SBP accounts can be purchased in increments of $25, $50, or $100, entitling a student to a 10% bonus credit. Commuters not on a campus meal plan may also purchase a SBP account to be used in either the Student Union Building Snack Bar or cafeteria for meal purchases. Students may purchase a SBP account in the cafeteria and Student Union Building Snack Bar. SBP account balances are not transferable from one semester to the next.

Payment

General information

Tuition, fees, and all other costs for the semester are due and payable on the day of registration each semester. Tuition, fees, and all other costs for summer school and intersession are due and payable on or before the first day of each term. Students enrolling in summer school and intersession must make specific arrangements with the director of student accounts before the first day of class.

Students who have definite commitments of funds from the Financial Aid Office must pay the difference between the total cost for the semester and the financial aid commitment (excluding work-study) on or before registration.

All types of financial aid for the current year should be applied to the student account before pre-registration (for the next term). In any event, only students who have settled their accounts for the current semester will be permitted to pre-register for any subsequent term, including summer school and intersession.

A student who plans to use federal loans as a form of student account payment is required (at a minimum) to sign the award letter indicating the intent to borrow and submit the signed copy of this letter to the Milligan College Financial Aid Office within two weeks from the date of the award letter or the beginning of the semester, whichever is later. Students who do not comply with this policy are required to make satisfactory payment arrangements with the Student Accounts Office. If satisfactory arrangements are not made, the student is subject to immediate dismissal.

A semester grade report, transcript, and/or diploma will not be issued to a student whose account is not settled by the end of a semester or term. In addition, graduating students who do not have their student accounts paid in full will not be permitted to participate in the graduation ceremony. Furthermore, a transcript will not be issued to individuals in default with their Perkins loans.

If a period of 90 days passes without any activity on an account with an unpaid balance, the College may refer the account to a collection agency. The student will be responsible for any attorney fees and/or costs associated with the collection of the unpaid balance. A delinquent account is also reported to major credit bureaus.

Former students who have not made satisfactory payment arrangements with the director of student accounts will be charged 1.5% interest per month on the unpaid balance.

Special monthly installment plan

Milligan College is pleased to offer a special payment plan for students who desire to pay educational expenses in monthly installments. This is an interest-free payment plan available through *Tuition Pay/Academic Management Services* (AMS). No student, other than those participating in the Academic Management Services payment plan, will be permitted to attend classes before paying the balance of their account in full.

The *Academic Management Services* plan permits families to spread their payments over a period of 7 to 10 months, with the last payment due near the end of the spring semester (before graduation). The current cost of the plan is $65 per year that includes life insurance coverage. All new students receive information about this plan after they have been accepted for admission. Information is also available through the Milligan College Business Office.

ADCP students can enroll in an eighteen-month payment plan. M.B.A. students can enroll in a sixteen-month payment plan. The AMS application fee is $80.

Additionally, students on the Tuition Pay/AMS plan are fully expected to maintain monthly payments as agreed. A $40 late payment fee will be charged to accounts for delinquent payments. The College reserves the right to require immediate payment in full of any student who fails to maintain their Tuition Pay/AMS payment schedule. If payment is not made as required by the College, the student is subject to immediate dismissal.

The Tuition Pay/AMS plan is designed for the convenience of students and their parents. The College encourages students to set up their own plans directly with Tuition Pay/AMS. The College reviews all Tuition Pay/AMS plans to ensure that the monthly Tuition Pay/AMS payments are for the proper amount. The College reserves the right to make changes to any Tuition Pay/AMS plan to ensure that accounts will be paid off by the last Tuition Pay/AMS monthly payment. It should be understood that these plans do not lessen the financial obligation of students. Individuals who abuse the Tuition Pay/AMS payment plans will not be permitted to use them for future academic years.

Forms of payment

Students may pay their student account using cash, money orders, personal checks and certified checks, Visa, MasterCard and Discover. Payments may be made in the Business Office or on the day of registration at the Business Office temporary location.

Refund policy

Refund in the event of withdrawal from the college

The College operates on an annual budget that necessitates advance planning and financial commitments to teaching staff and others whose services are essential to its operations. For this reason, no refunds are granted to those persons who are dismissed from the College for disciplinary reasons.

The official date of withdrawal used to compute refunds is the date on which the registrar and the vice president for student development sign the official college withdrawal form.

Tuition and Room Refund Schedule Fall and Spring Terms

Tuition and room refunds are calculated on the following schedule:

Prior to first calendar day of the semester 100%
During first five calendar days of the semester 90%
During the 6th through the 14th calendar day of the semester 75%
During the 15th through the 30th calendar day of the semester ...50%
No refunds after the 30th calendar day of the semester 0%

An exception is made for illness, in which case the 50% refund period is extended to the ninth week. Illness must be certified by a physician's written statement.

Refund Schedule for Summer and Intersession Terms

Prior to first day of the class 100%
During first day of the class 90%
During the second day of the class 75%
During the third and fourth day of the class 50%
No refunds after the fourth day of class 0%

Board Refund Schedule

In all cases, a student is charged the pro rata share of board based on the number of calendar days enrolled.

Other Fees Refund Schedule

Unless a student withdraws during the first five calendar days of the semester, all other fees are not refundable.

ADCP and M.B.A. Refund Schedule

Students enrolled in these programs will be charged the pro rata share of tuition based on the portion of courses completed within an enrollment period.

Institutional Scholarship Proration Schedule

Institutional scholarships are those scholarships granted by Milligan College, calculated on the following schedule:

Prior to first calendar day of the semester 0%
During first five calendar days of the semester 10%
During the 6th through the 14th calendar day of the semester 25%
During the 15th through the 30th calendar day of the semester ...50%
No refunds after the 30th calendar day of the semester 100%

Refund in the event of withdrawal from class

The schedule of refunds for withdrawal from a class is different from above. Because the College charges the same tuition for 12-18 hours, there is no refund for withdrawing from a class if the total hours, before and after withdrawal, are within the 12-18 credit hour range. Students withdrawing from a course or courses outside the 12-18 hour range will be granted full tuition refunds to apply toward courses added. If the new total hours are fewer than the original total, the following schedule will apply:

Prior to first calendar day of the semester 100%
During first five calendar days of the semester 90%
During the 6th through 14th calendar days of the semester 75%
During the 15th through the 30th calendar day of the semester . . .50%
No refunds after the thirtieth calendar day of the semester 0%

Return of Title IV funds (federal financial aid)

In addition to the overall institutional refund policy requirements, the College is required to follow the regulations mandated by the Department of Education pursuant to the Higher Education Amendments of 1998 (Public Law 105-244) for any student who receives Title IV Federal Aid. The Return of Title IV Fund calculations may result from the student withdrawing, dropping out, being expelled from the institution, or failing to complete the program on or after the student's first day of class for the period of enrollment for which the student was charged.

Steps in the Calculation for the Return of Title IV Funds *(Software and/or worksheets provided by the Department of Education will be used to complete these calculations.)*

Step 1: Collect information about student's Title IV Aid
Step 2: Calculate percentage of Title IV Aid earned by the student
Step 3: Calculate amount of Title IV Aid earned by the student
Step 4: Determine if the student is due post-withdrawal disbursement or if Title IV Aid must be returned
Step 5: Calculate amount of unearned Title IV Aid due from the school
Step 6: Determine return of funds by school
Step 7: Determine the Return of Funds

Any federal funds that must be returned to federal programs as a result of the Return of Title IV calculations must be redistributed in the following order:

1. Unsubsidized Federal Stafford Loans
2. Subsidized Federal Stafford Loans
3. Unsubsidized Federal Direct Stafford Loans
4. Subsidized Federal Direct Stafford Loans
5. Federal Perkins Loans
6. Federal Plus Loans
7. Federal Direct Plus Loans
8. Federal Pell Grant
9. Federal SEOG
10. Other Title IV Aid

Federal work-study wages will not be considered returnable.

*Please note: Students receiving a Return of Title IV Funds calculation may owe money to the College as a result of the calculation.

The Financial Aid Office is notified by the Registrar's Office of all withdrawals from the College. The financial aid director and the director of student accounts will, within 30 days of the withdrawal date, complete the calculation and determine the result. The student will be notified of the refund calculation results by memo and also by receiving a revised copy of their student account statement.

For definitions of specific Return of Title IV Funds calculations, see the Financial Aid Office.

Refund of credit balances

When a credit on a student account results from overpayment or from federal and state financial aid that exceeds direct charges, a refund will be issued to the student from the Business Office. Student refunds will only be issued for amounts up to the actual credit balance on the student account. No refund will be authorized or issued in anticipation of financial aid that will be ultimately posted to the student account. No refunds will be granted until the end of the official drop/add period for a particular semester or session unless the credit balance is a result of Title IV federal funds.

In addition, institutional scholarships and grant awards may not exceed student account charges; under no circumstances will a student receive a credit balance refund for institutional scholarships or grants.

Students may be required to pay back refunds if their financial aid award changes. Awards may change when one of the following occurs:

- A change in enrollment status
- The receipt of outside financial aid assistance

Students withdrawing from school who have received federal financial aid and/or institutional scholarships will have their account adjusted by the appropriate refund schedule. In cases involving federal financial aid, federal guidelines will prevail. In all other cases, the actual cash (credit) refund made to the student will be adjusted to the amount actually paid by the student and family.

Requests for student refunds can be made during normal business hours at the reception desk of the Business Office. Checks will be processed on Tuesdays and Fridays. The following schedule will govern these check processings:

Refund Check Requests Received By Noon On:	May be Picked Up On:
Mondays	Tuesdays after 3 p.m.
Thursdays	Fridays after 3 p.m.

Textbooks

Textbooks may be purchased at the Milligan College Bookstore. The Bookstore accepts checks, cash, money orders, Visa, Discover, and MasterCard. The cost of textbooks generally ranges from $300 to $500 per semester, depending upon the major.

The Bookstore has initiated a new "EasyPay" program that allows students to charge their textbooks directly to their student account. Students must qualify to participate. Please contact the Milligan College Bookstore or Student Accounts Office for details.

Financial Aid

Financing a college education is one of the major concerns for students and parents. The Financial Aid Office at Milligan College assists in completing the necessary steps in applying for aid. Financial assistance is available to eligible students in the form of federal, state, and institutional aid. Milligan College participates in scholarship, grant, loan, and work-study programs.

Any student who applies for admission to Milligan College is eligible to request financial assistance. If admission is offered, financial aid requirements are met, and financial need is demonstrated, Milligan attempts to meet a portion of the student's financial need.

General requirements for Title IV financial aid

- Apply for admission to Milligan College
- Be accepted and classified as a degree-seeking student
- Be enrolled at least half-time (6 hours per semester for undergraduate students and 4½ hours per semester for graduate students); Federal Pell Grant recipients will remain Pell eligible if enrolled less than half-time
- Demonstrate satisfactory academic progress based on the College's Title IV Federal Financial Aid Satisfactory Academic Progress Policy

Copies of this policy are available in the Financial Aid Office and are mailed with each initial award letter. No student may receive Title IV Federal financial aid as assistance beyond twelve semesters of attendance. Title IV Federal Aid (excluding Federal Work-Study) will generally be disbursed and credited to the student account as follows:

50% Fall Semester 50% Spring Semester

Earnings from the Federal Work-Study and Milligan College Work-Study programs are paid directly to the student on a semi-monthly basis and WILL NOT be credited to the student's account.

Definition of terms

Grants
Financial aid programs that do not have to be repaid. Eligibility is determined by the student's financial need.

Loans
Low interest government-subsidized and unsubsidized loans to be repaid after the student leaves school.

Scholarships
Monetary recognition funded by the College (tuition discounting) for full-time students with outstanding academic records who demonstrate academic promise and achievement.

Employment
On-campus jobs to give students an opportunity to earn money while in college. The maximum amount a student may earn (award amount) depends on financial need and the amount of funding the College has for the program. The Financial Aid Office determines monetary awards. The Work-Study Office assigns positions. Wages are paid bi-monthly based on hours worked.

Milligan College programs

Available Assistance	Award Criteria	Amounts Available
Honors Scholarships	Milligan's most prestigious merit -based scholarships. To be eligible for these scholarships, applicants must be admitted to the College by January 31. Late applicants will be considered if funds are still available.	Award amounts range from $7,500 to $18,000 annually.
Academic Scholarships	Awards are based on the applican t's ACT/SAT and high school grade point average or previous college GPA (transfer applicants).	Award amounts range from $3,000 to $6,000 annually.
Milligan College Grants	Need-based and determined primarily from financial need. Awards made on the basis of criteria established by the College administration.	Up to $3,000annually.
Fine Arts and Music Scholarships	Based on the applicant's ability in theatre, art, or music and the discretion of the respective faculty representative.	Award amounts vary. If combined with other scholarship awards the total award for an individual student may not exceed $6,500.
Area Outstanding Student Scholarships	Upperclassmen in each academic area. Based on student's overall GPA and individual promise in designated major.	Award amounts vary. These are one-year awards.
Athletic Scholarships	Minimum requirements: Accepted for admission and selected by coach. Scholarships available for Basketball, Baseball, Softball, Volleyball, Tennis, Cross -Country, Golf, and Soccer.	Award amounts vary based on the sport and the student's athletic ability. If combined with other scholarship awards the total award for an individual student may not exceed $9,900.
NACC Bible Bowl Scholarship	Any member of the first or second place Bible Bowl Team at the North American Christian Convention. Also awards to the top 20 scorers on the Individual Achievement Test. Must maintain 2.5 GPA.	Varying award amounts to Achievement Test top scorers. All recipients must maintain 2.5 GPA.
College Personnel Gr ant	Individuals employed by the College for at least one year and their dependents (spouse and children).	Up to full tuition for bachelor's degree programs.
Milligan College Work -Study Employment	Full-time (12 credit hours) students who desire work and me et eligibility requirements.	From $721 to $1,442 annually.

Scholarship guidelines, 2003-04 Milligan College

Minimum requirements to retain Honors Scholarships (Oosting)

- Maintain a cumulative grade point average of 3.6 by the end of the freshman year and a cumulative grade point average of 3.75 each year thereafter.
- Be a full-time student and must live in campus housing.
- Comply with the following regulations including:
  1. Be a good citizen on campus;
  2. Represent the school in a dignified and respectable manner;
  3. Comply with all moral and lifestyle expectations as set forth in the Student Handbook;
  4. Provide ten hours per week in tutorial service beginning with the sophomore year.

Minimum requirements to retain Honors Scholarships (Hopwood and Todd Beamer Scholarship for Christian Leadership)

- Maintain a cumulative grade point average of 3.5 by the end of the freshman year and each year thereafter.
- Be full-time student and live in campus housing.
- Comply with designated social regulations including:
  1. Be a good citizen on campus;

2. Represent the school in a dignified and respectable manner;
3. Comply with all moral and lifestyle expectations as set forth in the Student Handbook.
4. For a student receiving the Todd Beamer Scholarship for Christian Leadership, be involved in a campus leadership position.

Minimum requirements to retain Academic Scholarships (Presidential, Academic Dean, Transfer)

- Maintain a cumulative grade point average of 2.0 by the end of the second semester of enrollment, 2.5 by the end of the fourth semester, and 2.5 each semester thereafter.
- Be a full-time student.
- Comply with the following regulations, which include:
  1. Be a good citizen on campus;
  2. Represent the school in a dignified and respectable manner;
  3. Comply with all moral and lifestyle expectations as set forth in the Student Handbook.

Minimum requirements to retain Music and Fine Arts Scholarships

- Continue to major in the area in which the scholarship is awarded and make normal progress towards a degree as a full-time student.
- Maintain a cumulative grade point average of 2.0 by the end of the second semester of enrollment, 2.5 by the end of the fourth semester, and 2.5 each year thereafter.
- Comply with the following regulations, which include:
  1. Be a good citizen on campus;
  2. Represent the school in a dignified and respectable manner;
  3. Comply with all moral and lifestyle expectations as ser forth in the Student Handbook.
  4. Enthusiastically participate in the activities of the academic area of the award.

Minimum requirements to retain Athletic Scholarships

- Remain academically eligible for intercollegiate athletics and make normal progress towards a degree as a full-time student.
- Comply with the following regulations, which include:
  1. Be a good citizen on campus;
  2. Represent the school in a dignified and respectable manner;
  3. Comply with all moral and lifestyle expectations as set forth in the Student Handbook;
  4. Apply for any possible federal and state aid;
  5. Respect the directions of the coaching staff and college officials;
  6. Enthusiastically participate in the intercollegiate sport in which the scholarship award is made.

Students receiving an athletic scholarship award are eligible for Honors Scholarships, Presidential Scholarships, and Academic Dean's Scholarships but may not receive Transfer Scholarships, Alumni and Friends Awards, or Milligan College Grants.

Students who lose an Honors Scholarship due to grade requirements may appeal to the Director of Financial Aid to have their financial aid package reviewed for potential funding from other sources.

Scholarship/grant policies, 2003-04 Milligan College

- All unfunded academic scholarships and the Milligan College Grant are available to full-time students only.
- All unfunded academic scholarships and the Milligan College Grant are renewable for up to eight semesters as long as the recipient reapplies each year through the Financial Aid Office and continues to meet the criteria for the scholarship/grant. Students who continue their education beyond the eight semesters will not be eligible for those scholarships. Any exceptions must be made by petitioning the Scholarship Committee before completion of the eight semesters.
- Scholarship recipients who leave Milligan College or begin attending on a part-time basis for more than two consecutive semesters must reapply for scholarships and will be treated as a new student.
- Students receiving athletic scholarships are not eligible for the Alumni and Friends Award, Transfer Scholarship, or Milligan College Grants. These students may be eligible for the prestigious Honors Scholarships, the Presidential Scholarship, and the Academic Dean's Scholarship.
- Institutional scholarships and grants awarded by the College may not exceed Milligan student account charges; under no circumstances will a student receive a credit balance for institutional scholarships or grants.
- Scholarship recipients who have failed to meet the minimum grade point average requirements and consequently lose area or academic scholarships may have their scholarship reinstated if the required minimum grade point average is achieved the following semester. The scholarship will then be reinstated for the next semester. No retroactive reinstatement is available. It is the responsibility of the student to notify the Financial Aid Office. The Financial Aid Office staff will verify the grade point average with the Registrar's Office and, if appropriate, reinstate the scholarship.
- Admitted applicants to Milligan College who already hold a baccalaureate degree may be considered for the merit-based transfer scholarship according to their previous collegiate academic profile and the present requirements for a ttansfer scholarship. Such students must be seeking a second undergraduate degree as part of the traditional day program of the college and be enrolled full-time. College-funded need based grants are not available. (Policy as of December 2002)

Appeals process for renewal of college study grant or founders scholarship

- Policy for the process by which a student who is receiving awards from the appeal process may be considered for renewal in future years.
- These awards are made for one year; therefore, students who would like to be considered for the award again must contact the Financial Aid Office and ask that their names be placed in the next Financial Aid Review (appeals) meeting. The Appeals Committee will review each student's need (from the FAFSA results) and/or academic performance and make a decision as to whether or not to reinstate the award for another year.

Policy of transfer credits counting toward cumulative GPA

- Students who entered Milligan College spring 2001 or later will not have transfer grades applied to their cumulative GPA. Therefore, for scholarship purposes, grades for transfer work (including summer courses taken at other colleges) will not count towards the cumulative GPA. Students who wish to improve their cumulative GPA over the summer in order to have scholarships reinstated must take summer classes at Milligan College.

- Students who entered Milligan College before spring 2001 may count transfer grades towards the cumulative GPA and also may take summer courses at other colleges to improve their GPA.

State programs

Available Assistance	Award Criteria	Amounts Available
State Grant (TN* and PA)	Must be eligible to receive Federal Pell Grant. Money that does not have to be repaid.	*Up to $5,338per year.
Tennessee Teaching Scholars Program	U. S. citizen and resident of Tennessee with a minimum 2.75 cumulative g.p.a.; must pledge to teach at the public preschool, middle grades, or secondary level in Tennessee for each year the award is received. Application deadline April 15.	Up to $4,500per year.
Robert C. Byrd Honors Scholarship	Tennessee resident who is an entering freshman with a 3.5 g.p.a. or an average GED score of 57. Students with at least a 3.0 high school g.p.a. with an ACT or SAT in the top quartile nationally (24 ACT; 1090 SAT) may also apply. Application deadline March 1	Award amount based on Federal funding; renewable for a total of 4 undergraduate years.
Ned McWherter Scholars Program	Tennessee resident and U.S. citizen who is an entering freshman with a 3.5 g.p.a. and an ACT or SAT in the top 5% nationally (29 ACT; 1280 SAT). Application deadline February 15.	Up to $6,000 per year for a maximum of four years at an eligible Tennessee postsecondary institution.
Minority Teaching Fellows Program	Tennessee resident and U.S. citizen who is an entering freshman with a 2.75 g.p.a. Continuing college student with a college g.p.a. of 2.5. At least 18 on ACT or 850 on SAT or be in the top 25% of high school class. Agree to teach at K–12 level in a Tennessee public school for one year for each award received. Application deadline April 15.	$5,000 per year; maximum of $20,000 over four years at a Tennessee postsecondary institution.
Christa McAuliffe Scholarship	Tennessee resident and U.S. citizen who is enrolled full-time in a teacher education program at an eligible Tennessee postsecondary institution. Completed one semester of junior year with a 3.5 cumulative g.p.a. ACT or SAT must exceed the national norm. Application deadline April 1.	Award amount based on funding but may not exceed $1,000.
Dependent Children's Scholarship	Dependent children of law enforcement officers, firemen, or emergency medical technicians who were killed in the line of duty while employed in Tennessee. Application deadline July 15.	Award amount based on state funding; coordinated with other aid; renewable for four undergraduate years at an eligible Tennessee postsecondary institution.

*For additional information regarding available financial aid provided by Tennessee, contact Tennessee Student Assistance Corporation at 800.342.1663 or *www.state.tn.us/tsac.*

Federal programs

Available Assistance	Award Criteria	Amounts Available
*Federal Pell Grant	Based on results of information submitted on the Free Application for Federal Aid (FAF5A) and Federal Methodology. Need based federal grant.	Awards range from $400 to $4,050
Federal Supplemental Education Opportunity Grant (FSEOG)	Students must have exceptional financial need. Priority given to Pell Grant recipients. Need based federal grant.	Awards based on federal funding level. Generally range from $250 to $1,000 annually
Federal Perkins Loan	Low interest (5%) loan for students with exceptional need. Repayment beginning 9 months after ceasing to be enrolled less than halftime.	Awards based on federal funding level. Generally range from $500 to $2,000annually
Federal Stafford Student Loan Programs Subsidized and Unsubsidized	Must indicate on your award letter your intent to borrow Must complete a Master Promissory Note (MPN) Subsidized–Need based, government pays interest while student is in college. Unsubsidized–Available to all students, not need-based. Interest accrues while student is in college.	Annual Loan Limits $2,625–Dependent 1st Yr. Students $6,625–Independent 1st Yr. Students $3,500–Dependent 2nd Yr. Students $7,500–Independent 2nd Yr. Students $5,500–Other Dependent Undergraduates $10,500–Other Independent Undergraduates $18,500–Graduate or Professional Students
Federal Parent PLUS Loan for Undergraduate Students (PLUS Loan)	Low cost parent loan program, not need-based. Minimum monthly payment $50. Repayment begins within 60 days after loan is disbursed.	Cost - Financial Aid = Annual Eligibility

*The college will recalculate a Federal Pell Grant award for any student who changes his or her enrollment status through the last date to "add/drop" courses during a semester. The award amount may increase or decrease, based on the enrollment status change. This policy is applied consistently to all students.

Financial aid programs, based on eligibility, for Graduate Students
(M.B.A., M.Ed., M.S.O.T.)

- Federal Perkins Loan Program
- Federal Stafford Student Loan Programs - Subsidized and Unsubsidized
- *Refer to the description of federal programs in the Financial Aid section of the catalog for award criteria and amounts available.*

Alternative Loan Programs (Contact the Financial Aid Office at 800.447.4880 for information.)

**Tennessee Teaching Scholars Program

***Refer to the description of state programs in the Financial Aid section of the catalog for award criteria and amounts available.*

Financial aid application process

The process of applying for Federal Pell Grant, Federal SEOG, Federal Work/Study, Milligan College Work/Study, Federal Subsidized Stafford Loan, Federal Unsubsidized Stafford Loan, Federal Perkins Loan, Federal Perkins Loan, Federal Parent PLUS Loan, Tennessee Student Assistance Award, Milligan College Scholarship is as follows:

1. Complete a *Free Application for Federal Student Aid* (FAFSA) and submit it to the federal processor. (Paper or electronic version www.fafsa.ed.gov)
   a. Be sure to include Milligan's code (003511) on the FAFSA
   b. For a Tennessee Student Assistance award, students should complete the FAFSA by March 1.

2. Milligan College Financial Aid/Scholarship Renewal Application:
   a. Incoming students are not required to complete this application. An admission application must be completed, and students must receive acceptance into the College.
   b. Returning students must complete this application to renew their initial academic/athletic scholarship and/or Milligan College Grant award.
   c. Non-traditional students (Adult Degree Completion Program, Master of Business Administration, Master of Education, Master of Science in Occupational Therapy) must complete the Milligan College Financial Aid/Scholarship Renewal Application for Non-Traditional Students.

3. To accept a Federal Stafford Loan students must indicate their intent to borrow on their award letter and return a signed copy of the letter to the Financial Aid Office. Loans will be certified electronically. Before loans will be processed students must sign a Master Promissory Note (MPN) with their lender. More information may be obtained from banks, lending institutions, or the Tennessee Student Assistance Corporation.

4. Federal Parent Plus Loan Applications may be obtained from lending institutions that participate in this program or the Financial Aid Office. The completed loan application must be submitted to the Financial Aid Office for certification. The application will be mailed to the lending institution of the borrowers choice for final processing. Some lending institutions currently offer online processes. More information may be obtained from the Financial Aid Office or the lending institution.

5. Quickly respond to any other document requests you receive from the Financial Aid Office.

Financial aid calendar

It is important to meet the priority deadlines and to respond quickly to requests from the Financial Aid Office for additional documentation. Some awards are issued on a first-come, first-served basis.

February 1	Priority deadline for mailing the Free Application for Federal Student Aid (FAFSA) to the processor
March 1	Priority deadline for having your financial aid file complete

Student rights and responsibilities

As recipients of federal student aid (as opposed to state, institutional, or private aid), students have certain rights and responsibilities. Being aware of these rights and responsibilities enables students to make informed decisions about their educational goals and the best means of achieving them.

Student rights

All students have the right to know:

a. The cost of attending a particular school and the school's policy on refunds to students who withdraw.

b. The range of available financial assistance, including information on all Federal, state, local, private, and institutional financial aid programs.

c. The identity of the school's financial aid personnel, their location, and how to contact them for information.

d. The procedures and deadlines for submitting applications for each available financial aid program.

e. The methods through which the school determines financial need. This process includes methods of determining costs for tuition and fees, room and board, travel, books and supplies, and personal and miscellaneous expenses. It also includes the resources considered in calculating need (such as other outside scholarships, veteran benefits, etc.).

f. What percentage of the student's financial need, as determined by the school, has been met?

g. How and when the student receives financial aid.

h. An explanation of each type and amount of assistance in the financial aid package.

i. The interest rate on any student loan, the total amount that must be repaid, the acceptable time frame for repayment, and any applicable cancellation or deferment (postponement) provisions.

j. Work Study Guidelines if a federal work-study job is assigned (nature of job, required hours, pay rate, and method of payment).

k. The school's policy in reconsidering your aid package if you believe a mistake has been made, or if your enrollment or financial circumstances have changed.

l. The manner in which the school determines satisfactory academic progress according to guidelines for receiving Federal Title IV financial assistance and the school's policies for addressing unsatisfactory academic performance. Copies of the Title IV Satisfactory Progress Policy are available in the Financial Aid Office and are mailed with each initial award letter.

Student responsibilities

All students must:

a. Complete the application for student financial aid and submit it on time to the correct place. Errors can delay or prevent the awarding of aid.
b. Know and comply with all deadlines for applying or re-applying for aid.
c. Provide all documentation, corrections, and/or new information requested by either the Office of Financial Aid or the agency to which the application was submitted.
d. Notify the Office of Financial Aid of any information that has changed since the original application was completed.
e. Read, understand, and keep copies of all financial aid forms signed.
f. Repay any student loans. Signing a promissory note indicates agreement to repay the loan.
g. Complete both an entrance and exit interview if awarded a Federal Perkins Loan, Federal Subsidized Stafford Loan, or Federal Unsubsidized Stafford Loan.
h. Notify the Office of Financial Aid and the lending institution(s) of any change in name, address, or enrollment status (the number of credits in which a student is enrolled during any given semester).
i. Demonstrate satisfactory performance in any assigned Federal Work-Study job.

For more financial aid information, contact:

MILLIGAN COLLEGE FINANCIAL AID OFFICE
P. O. BOX 250
MILLIGAN COLLEGE, TENNESSEE 37682
800.447.4880 • 423.461.8949 or 8967
www.milligan.edu

Veterans education benefits

Milligan College is eligible to receive veterans and other eligible persons who are entitled to benefits under Chapters 30, 32, and 35 (Title 38 United States Code), and Chapter 1606 (Title 10 United States Code).

New and transfer student veterans are required to provide a photocopy of Member Copy 4 of Department of Defense (DD) Form 214, Certificate of Release or Discharge from Active Duty, a copy of DD Form 2366 Montgomery GI Bill Act of 1984 (GI Bill election form), if available, or other veterans educational assistance benefit entitlement/eligibility documents, including but not limited to college fund contracts if any. Reservists and members of the National Guard need to provide DD Form 2384, Selected Reserve Educational Assistance Program Notice of Basic Eligibility. Dependents of totally and permanently service-connected disabled (or deceased) veterans applying for educational assistance benefits should provide a copy of the disabled veteran Rating Decision or a copy of their USDVA Certificate of Eligibility, if received from a previously submitted application.

Veterans in an undergraduate standing are required to provide any available official uniformed services evaluations of education, training, and experience that have been prepared in accordance with the American Council on Education's Guide to the Evaluation of Educational Experiences in the Armed Services and/or National Guide to Educational Credit for Training ("ACE Guides"). Academic credit is generally awarded for formal education and training only.

To receive VA education benefits while attending Milligan College, undergraduate students must meet the following academic standards:

- Sophomores (26 hours earned) must have a 1.6 GPA.
- Juniors (58 hours earned) must have a 1.8 GPA.
- Seniors (92 hours earned) must have a 2.0 GPA.

Payments are made each month directly to the veteran. The Veterans Administration provides counseling and vocational planning services for any veteran who needs this assistance. Students who desire additional information may contact their nearest Veterans Administration Office or write to the Registrar's Office of Milligan College.

Academic policies

General policies

- The candidate for the bachelor's degree must have completed the general education requirements, a major, and electives to total a minimum of 128 hours of credit.
- Students may graduate under the regulations prescribed in the Catalog in effect at the time of their entrance into the College, provided these requirements are met within six years; otherwise they are required to meet current degree requirements. The six-year limitation is extended for the length of time in military service for students who enter service after enrolling at Milligan College.
- Rising juniors are required to take the Academic Profile, a test covering general knowledge. Graduating seniors are required to take an examination or to complete a capstone experience or other evaluative experience specific to the major to demonstrate knowledge in their major field of study.
- Students diagnosed as having a deficiency in math, reading, study skills, and/or writing must enroll in the appropriate developmental studies course(s) as a graduation requirement. Hours earned below the 100 level will not count toward the 128-hour graduation requirement.
- Some courses listed in the Catalog are not offered every year. Students should consult with their advisers to plan their curriculum.
- Bible 123 and 124 must be taken in the first two semesters a student is enrolled in Milligan College and may not be taken at another institution post-matriculation. Bible 471 is taken during the senior year and only at Milligan College.
- Humanities 101 and 102 are required of all freshmen. Humanities 201 and 202 are required of all sophomores. Once a student enrolls in the traditional undergraduate program at Milligan College, still needing humanities courses as part of the core, those courses must be taken at Milligan College.
- Psychology 100 is required of all freshmen during the first semester of attendance.
- The human performance and exercise science general education requirements should be satisfied in the freshman year.
- Milligan College makes no provision for a system of allowed absences, sometimes called "cuts." The student is expected to attend all sessions of classes. Absence from any class session involves a loss in learning opportunity for which there is no adequate compensation. The instructor's evaluation of the student's work is necessarily affected by absences. Penalties for absences are stated in individual class syllabi.
- All classes must meet during final exams week for an exam or another significant educational activity. The general policy is that students may not reschedule final exams; however, if a student has three (3) exams scheduled on the same day, then he or she may request permission to reschedule one at a later date. Any approval for exam rescheduling will be by the agreement of the instructor and the dean. The student should submit a written request for rescheduling an exam to the dean with faculty endorsement attending the request.

Advisers and mentors

All freshmen entering Milligan College are assigned a faculty mentor who will function as the academic adviser for that year. All other students will be assigned an adviser, usually from within the discipline in which the student is majoring. Milligan College requires regular meetings between students and their academic mentors or advisers-three meetings per semester for freshmen, and two per semester for all other students. At one of those meetings, the adviser approves a student's schedule of classes for the following semester. Midterm grades are made available through a student's adviser. Failure to meet with academic advisers will result in an unsatisfactory grade in Public Programs.

Students are especially encouraged to consult with advisers on a regular basis. While a student's satisfactory progress toward graduation is the responsibility of the student, regular contact with one's adviser can help ensure timely progress toward graduation.

Ceremony of matriculation

After all admission requirements have been met, including orientation activities at the beginning of the year, the candidate for admission may participate in the ceremony of matriculation.

The ceremony of matriculation occuts during the first week of the semester. At the conclusion of a general assembly, the candidates sign the matriculation book and officially become members of the Milligan Community.

Chapel and convocation

Each semester Milligan College sponsors a chapel and convocation series consisting of programs of a broad range of interest for the intellectual and spiritual growth of its students.

Attendance at these services is required of all full-time, undergraduate traditional students. Eight semesters of satisfactory chapel/convocation attendance are required for traditional undergraduate students completing all course work at Milligan College. Students who do not attend the required number of services are not eligible to return to Milligan College for the following semester.

Classification

Progress toward the baccalaureate degree is measured by fout ranks or classes, which are determined by the number of hours earned. These are freshman; sophomore, 26 hours; junior, 58 hours; senior, 92 hours.

College calendar

The Milligan College calendar of classes is organized on a semester basis. The College also offers a summer session consisting of two 4½-week terms or one 9-week term. In addition to these regularly scheduled terms, students may earn one or three semester hours of credit during January Term and/or May Term. January Term is a one-week session just before the beginning of the spring semester; May Term is the session between the spring semester and the summer session. January and May Term courses shall count as residence credit.

Correspondence credit

After entering Milligan College, undergraduate students desiring to take correspondence courses through another college must have prior written approval from the registrar. Only six semester hours of correspondence study are recommended, and no more than twelve semester hours are accepted toward a bachelor's degree program. A student enrolled for a correspondence course must count the number of correspondence hours with the regular semester load in determining a full load for the semester. A transcript should be sent to the Milligan College Registrar's Office upon the completion of the course.

Course repeat policy

A student may repeat any course taken at Milligan College by registering for the course and completing a Course Repeat Form in the Registrar's Office. Only the most recent grade is included in the grade point average. The original grade is not removed from the academic record, but the grades for each subsequent completion of the course are noted in brackets on the academic record. Students will not receive additional credit hours for repeated courses in which they originally earned a passing grade. For additional information about the course repeat policy, contact the Registrar's Office.

Grade reports

The registrar makes available mid-semester and final grades by way of IQWeb, a Web interface with the student records database. The College issues I.D.s and passwords to enrolled students allowing them access to the Web interface. Upon request by the student, the registrar releases grades to the parent(s) of students.

Grading system

The terms used in evaluating a student's work are letters with a grade point value. Advancement to the baccalaureate degree is contingent upon the completion of a minimum of 128 semester hours with a total of no fewer than 256 quality points and a cumulative grade point average of 2.0. The grade point average (GPA) is determined by dividing the total number of quality points by the GPA hours. The following table of values is observed in all courses.

Grade	Quality Points	Grade	Quality Points
A	4.0	D-	0.7
A-	3.7	F	0.0
B+	3.3	S	Satisfactory (none)
B	3.0	P	Passing (none)
B-	2.7	U	Unsatisfactory(none)
C+	2.3	AU	Audit (none)
C	2.0	W	Withdrawal (none)
C-	1.7	I	Incomplete (none)
D+	1.3	NG	No gtade (none)
D	1.0		

With the approval of the instructor and the adviser, a student may withdraw from a class through the eleventh week of classes. Courses dropped are evaluated with the grade "W." Withdrawal from a class with a "W" after the eleventh week of classes requires the consent of the instructor, the adviser, and the dean and will only be considered in extenuating circumstances. The signed withdrawal form must be received in the Registrar's Office before the end of the last class day (not including final exam week) of the term.

Graduation requirements

Eligibility for participation in graduation ceremonies

It is the policy of Milligan College that only students who have completed all degree requirements participate in graduation ceremonies. Degrees are conferred three times a year, at the end of the fall, spring, and summer terms.

Notice of intention to graduate

During the first two months of the senior year (the next to the last semester), each candidate for a degree shall file a Notice of Intention to Graduate (application for degree) with the Office of the Registrar. Candidates must be certified for graduation by the Registrar's Office by completing a credit audit.

All fees and financial and library obligations shall be settled two full days before the date on which the degree is to be conferred. All incompletes must be resolved at least two days before commencement. Neither the diploma nor transcripts can be released until all accounts are cleared.

All candidates for degrees are encouraged to take advantage of the placement service in the Career Development Office.

Honors

Students who have completed all requirements for the baccalaureate degree are awarded academic honors if the cumulative grade point average is 3.5 or greater. The degree with honors is divided into three levels as follows: Summa Cum Laude, based on a grade point average of at least 3.95; Magna Cum Laude, based on a grade point average of at least 3.75; and Cum Laude, based on a grade point average of at least 3.50.

Transfer students may not receive honors greater than the level warranted by the grade point average earned at Milligan College.

At the close of each semester, the Office of the Dean publishes a list of students who have done outstanding work during that semester. The Dean's List is composed of students who earned semester grade point averages of 3.50 to 4.00.

Information technology

MCNet

Milligan College has installed a campus local area computer network, MCNet, that links all residence hall rooms with faculty and staff offices in addition to providing access to the Internet, application programs, and library services.

Milligan College students may either connect a computer they bring to campus in their residence hall room or use a computer in one of the campus computer labs. Residence hall room computers may be connected to MCNet, provided that the student's computer conforms to minimum requirements (available from the Information Technology Department). Lab computers are already connected to MCNet. Examples of software available in the computer labs include Microsoft Office (e.g., Word, Excel, Access, and PowerPoint), Logos (a Bible program), and other application programs specific to certain courses. E-mail accounts are provided for students so that they may send and receive e-mail both locally and across the Internet.

The Milligan College Computer Use Policy outlines expected behavior when using the computer network. Students are expected to conform to

provisions outlined in the policy, a copy of which is available on the Milligan College Information Technology Web site.

For further information or answers to questions, contact Information Technology Help Desk by calling 423.461.8704 or emailing at HelpDesk@Milligan.edu or visiting the Milligan College Information Technology Web site at www.milligan.edu/it/.

MCNet in the residence hall rooms

Each residence hall room has a network connection for each bed to provide access from the students' own computers to the campus network. The computer must have an approved Ethernet network adapter card installed. These cards can be purchased in the College Bookstore. Students are responsible for installation of network adapters and protocols. The Information Technology Department will furnish necessary information pertaining to network access.

For the recommended minimum computer configuration for connecting to the network, call 423.461.8704 or visit the Milligan College Information Technology Web site at: www.milligan.edu/it/.

Because of limited resources and staff, Milligan College has standardized on Intel architecture and Microsoft Windows operating systems. Therefore, Milligan College does not recommend that students connect Macintosh or other non-Intel based computers to MCNet. However, students with Macintosh or other non-Intel based computers are permitted to connect to MCNet on the condition that no support is to be expected from the Information Technology Department. The Information Technology Department guarantees only a connection to the plug in the residence hall room. Connecting a Macintosh or other non-Intel based computer limits the student to only e-mail and Internet access. For further information or answers to questions, contact the Information Technology Help Desk at 423.461.8704 or email HelpDesk@Milligan.edu.

Computer labs

Five networked computer labs are located on campus. The Kegley Computer Lab, which keeps regular library hours, is located on the lower level of the P.H. Welshimer Memorial Library building and contains twenty-five computers. The Derthick Computer Lab is open some weekday evenings and has twenty-five computers for student use. However, most computer classes are held in the Derthick Computer lab, which limits its availability. A Multimedia Computer Lab is located in the Paxson Communication Center and has ten computers and an optical image scanner. It is open some weekday evenings and some time each weekend upon request. Several classes use this lab due to the special equipment installed, which limits its availability. A fourth lab is located on the third floor of Hardin Hall, which houses the nursing and occupational therapy programs. A fifth lab contains 10 laptop computers and is located in the Clark Education Center. The latter three labs are maintained within their respective departments and students within those areas of study will have priority to use computers within those labs.

Each lab also has at least one letter quality printer, and a lab assistant is on duty each evening and on weekends in the Information Technology Department to assist students in using the available resources. Assistance from the IT Help Desk is available by calling 423.461.8704 or emailing HelpDesk@Milligan.edu.

Phone service

Milligan College maintains their own phone network. Each room has their own private phone connection with voice mail and caller ID available. Phones, however, are not provided. Students can be reached by dialing 423.461.8300 followed by their extension. The extension number is usually a building code followed by the room number.

For more information about phone service, contact the Information Technology department at 423.461.8704 or HelpDesk@Milligan.edu.

Cable TV in the residence hall rooms

Milligan College provides access to over 60 cable TV channels, including some that are operated by the Milligan College Communications Department. Each residence hall room has one cable TV outlet.

For more information about the cable TV network, contact the Information Technology department at 423.461.8704 or HelpDesk@Milligan.edu.

Learning disabilities

1. Students are responsible for making their learning disabilities known to Milligan College. Students who wish to have special accommodations for their learning disabilities shall submit documentation for those needs to the dean. Appropriate documentation shall consist of:

   a) evidence of previous school accommodation (Individualized Educational Plan [IEP] developed within the three years prior to submission by the student to the dean with specific modifications of the learning program listed) and
   b) a report of an evaluation conducted within the three years prior by a psychologist, psychiatrist, or properly certified educational diagnostician, diagnosing the learning disability and making specific remedial recommendations.

2. For each student requesting accommodation, the dean will request an evaluation of the documents by the professional Counseling Staff and/or special education faculty of Milligan College. This evaluation should:
   a) verify the adequacy of the documentation.
   b) suggest a plan of action, with specific accommodations to the student's learning program at Milligan.

3. Based on the documentation and evaluation, the dean will notify the student's instructors each semester of the plan of action and specific accommodations that are to be granted.

4. When a student's documentation is lacking or insufficient or is considered outdated, it may be necessary to secure a psychologist's evaluation. The need for a psychologist's evaluation will be established by the professional Counseling Staff of Milligan College. In such cases, the student will be referred to a local psychologist for evaluation. It shall be the student's responsibility to secure the needed evaluation by sufficiently trained psychologists. Without the completion of this step, the College will assume no responsibility for accommodations. The College Counseling Staff might be consulted for direction to clinicians to perform the evaluation.

5. In cases where either faculty members or students believe that the accommodations have been established in error, or where extenuating circumstances are present that are not adequately addressed in the documentation, an appeal can be made to the entire ADA Committee. All appeals shall be made in writing to the vice president for student development. Final decisions of the ADA Committee will be considered binding.

6. Students who have been granted accommodations for learning disabilities and believe they are not receiving those accommodations from instructors at Milligan shall have the right to make specific appeal to the dean for enforcement of the plan of action.

Library services

Students find in the P. H. Welshimer Memorial Library a wide variety of materials to support their academic work and leisure time reading. These resources include: books, journals, magazines, documents, papers, nonprint materials, and access to many information databases. Special collections within the Library contain materials on the history of Milligan College, the Restoration Movement, and the local area.

The Library participates in resource-sharing agreements with the libraries of Emmanuel School of Religion, East Tennessee State University (main campus and medical school), and Holston Associated Libraries, Inc. (HAL). HAL consists of Milligan and six additional libraries in the region. The computer system displays in each library the holdings of all six libraries in a shared catalog. Materials are readily lent among the libraries. Many additional features of the system enhance information exchange and resource sharing. Through these agreements, Milligan students have access to many materials beyond the considerable holdings of the Welshimer Library. Further, membership in the Southeastern Library Network provides interlibrary loan access to the holdings of thousands of additional libraries worldwide.

Probation and dismissal of undergraduate students

An undergraduate student who fails to receive a 2.0 grade point average during any semester of enrollment in Milligan College or who fails to have a 2.0 cumulative grade point average is placed on academic probation or dismissed. The student's social behavior and attitude exhibited toward academic pursuit are factors in determining probation or dismissal. If the student on probation fails to achieve a 2.0 the following semester, the College is not obligated to grant the privilege of further study at Milligan College.

Milligan College is seriously concerned that every student who enters the College makes progress toward the attainment of a degree. Consequently academic progress is judged to be paramount to the many extracurricular activities that are available to Milligan College students. Every student is encouraged to participate in extracurricular activities; but, in those cases where participation is deemed to be detrimental to the student's academic progress, it is the policy of the College to limit such participation. To participate, the student must maintain the following grade average: rising sophomores, a 1.6; and rising juniors and seniors, a 2.0. Additional limitations may be imposed as deemed appropriate by the dean.

Testing services

All entering students are evaluated in the basic skills of reading, writing, and mathematics. Proficiency in these basic areas is a graduation requirement. Services are provided to help students attain these proficiencies (see Developmental Skills Program).

- The *Miller Analogies Test* (MAT) is administered on an individual basis for those entering graduate studies. The MAT may be scheduled through the Testing Office.
- The *Academic Profile* exam evaluates students in general education requirements and is administered to all returning juniors prior to registration in the fall.
- The *senior major exam*, which is required of all baccalaureate degree-seeking students and evaluates the students in their major fields of study, is administered on the last day of classes in December for December graduates and the last Friday of March for spring and summer graduates. In some instances, the major exam is incorporated into a senior-level course in the major.

The Adult Education Office processes the following programs:

- Evaluation of military credit
- American Council on Education's National Guide to Educational Credit for Training Programs
- Program on Noncollegiate Sponsored Instruction (PONSI)

The American Council on Education and the Program on Noncollegiate Sponsored Instruction evaluate some corporate training as well as some proprietary programs (e.g., the Dale Carnegie Public Speaking course).

Milligan College recognizes that not all college-level learning occurs in a college classroom and awards credit earned by testing. The Testing Office evaluates and/or administers the following testing programs:

- Advanced Placement Program
- College Level Examination Program (CLEP)
- DANTES Program

Milligan College students may submit scores on examinations taken through these programs to the registrar for evaluation. College credit will be granted on the basis of an acceptable score earned through these testing programs as determined by the Academic Committee rather than by the testing company under the conditions below. See the tables below for information about AP and CLEP tests, acceptable scores, and credits awarded. A DANTES score that is equivalent to at least a grade of "B" is reviewed by the director of testing for possible course credit. See the director of testing for specific information about the DANTES Program.

Guidelines

1. At least one semester of work must be completed at Milligan College before credit earned by testing will be recorded on the transcript.
2. No credit by exam will be allowed after a student has earned a cumulative total of 64 hours of college credit.
3. A maximum of 32 semester hours can be earned by testing.
4. A recording fee of $10.00 per hour will be charged.

Advanced placement (AP) policy

Art History	3, 4, 5	HUMN 201, 3 hours or ART 367, 3 hours
Biology	3, 4, 5	BIOL 110, 4 hours
Calculus AB	3, 4, 5	MATH 211, 4 hours
Calculus BC	3, 4, 5	MATH 211 and 212, 8 hours
Chemistry	3, 4, 5	CHEM 170 and 171, 8 hours
Computer Science A, AB	3, 4, 5	CIS 211, 3 hours
English Literature OR English Language	4, 5	HUMN 101W, 3 hours General elective, 3 hours
Environmental Science	3, 4, 5	Lab Science, 4 hours
European History	4, 5	HUMN 101S and 202S, 6 hours
French Language	3, 4, 5	FREN 111 and 112, 6 hours
German Language	3, 4, 5	GERM 111 and 112, 6 hours
Government & Politics	3, 4, 5	POLS 202, 3 hours
Human Geography	3, 4, 5	GEOG 202, 3 hours
Latin	3, 4, 5	LATN 111 and 112, 6 hours
Macroeconomics	3, 4, 5	ECON 201, 3 hours
Microeconomics	3, 4, 5	ECON 202, 3 hours
Music Theory	3, 4, 5	MUSC 143, 3 hours
Physics C	3, 4, 5	PHYS 203, 4 hours
Physics B	3, 4, 5	PHYS 203 and 204, 8 hours
Psychology	3, 4, 5	PSYC 250, 3 hours
Spanish Language	3, 4, 5	SPAN 111 and 112, 6 hours
Statistics	3, 4, 5	MATH 213, 3 hours
Studio Art	3, 4, 5	Fine Arts elective for fine arts majors
US History	4, 5	HIST 209 and 210, 6 hours (The student will be exempt from HUMN 101S.)
World History	4, 5	HUMN 101S and 202S, 6 hours

CLEP policy

Composition & Literature		
American Literature	55	Lower-division American literature credit (no credit for majors or minors), 6 hrs
Analyzing & Interpreting Literature	54	Lower-division literature credit, 3 hrs
Composition, Freshman		Not accepted for credit.
English Composition with Essay	55	HUMN 101W, 3 hrs
English Literature	55	HUMN 102, 3 hrs, combined with CLEP Humanities
Humanities	56	HUMN 102, 3 hrs, combined with CLEP English Literature HUMN 201, 3 hrs, combined with CLEP Western Civilization II
Science & Mathematics		
Algebra	52	MATH 111 College Algebra I, 3 hrs
Algebra-Trigonometry	55	MATH 112 College Algebra II and Trigonometry, 3 hrs
Biology	55	BIOL 110 General Biology, 3 hrs
Chemistry	55	CHEM 170 General Chemistry, 3 hrs
Calculus with Elementary Functions	55	MATH 211 Calculus I, 3 hrs
College Mathematics	58	MATH 107 Principles of Mathematics, 3 hrs
Natural Sciences	53	Lab Science (required to take two 1-hour labs), 3 hrs
Trigonometry	56	Elective, 3 hrs
Foreign Languages		
French, Level 1	51	FREN 111 & 112 Elementary French, 6 hrs
French, Level 2	66	FREN 211 & 212 Intermediate French, 6 hrs
German, Level 1	51	GERM 111 & 112 Elementary German, 6 hrs
German, Level 2	64	GERM 211 & 212 Intermediate German, 6 hrs
Spanish, Level 1	51	SPAN 111 & 112 Elementary Spanish, 6rs
Spanish, Level 2	68	SPAN 211 & 212 Intermediate Spanish, 6 hrs
History & Social Sciences		
American Government	62	POLS 202 American National Government, 3 hrs
Educational Psychology, Introduction	55	Elective, 3 hrs
History of the United States I: Early Colonization to 1877	57	HIST 209 United States History Survey I, 3 hrs
History of the United States II: 1865 to the Present	53	HIST 210 United States History Survey II, 3 hrs
Human Growth & Development	60	PSYC 252 Developmental Psych, 3 hrs
Macroeconomics, Principles of		Not accepted for credit.
Microeconomics, Principles of		Not accepted for credit.
Psychology, Introductory	60	PSYC 250 General Psychology, 3 hrs
Social Sciences & History	60	Elective, 6 hrs
Sociology, Introductory	60	SOCL 201 Introduction to Sociology, 3 hrs
Western Civilization I: Ancient Near East to 1648	57	HUMN 101S Humanities, 3 hrs, OR Lower-division history credit, 3 hrs
Western Civilization II: 1648 to the Present	56	HUMN 201Humanities, 3 hrs, combined with CLEP Humanities OR Lower-division history credit, 3 hrs
Business		
The following exams are not accepted for credit:		
Accounting, Principles of		
Business Law, Introductory		
Information Systems & Computer Applications		
Management, Principles of		
Marketing, Principles of		

Transfer credit policy

For students matriculating in Milligan College beginning spring 2001, only the credit hours for transfer courses will be posted to the student's transcript. No grades will be recorded for the transferred credit. Quality points for transfer credits will not be included in the Milligan College grade point average. Milligan College will not accept any transfer credit for courses at other institutions for which a grade below a C- was earned. The minimum number of credit hours earned at Milligan toward a bachelor's degree shall be 45.

After matriculation, for undergraduate students in traditional programs, no transfer credit will be allowed for: Freshman and Sophomore Humanities (HUMN 101, 102, 201, 202); Christ and Culture (BIBL 471); Old and New Testament Survey (BIBL 123, 124).

The transfer of credits after matriculation requires advance advising and approval. A matriculated student may receive credit from another institution only if appropriate signatures are secured before taking the course. "Appropriate signatures" are defined as the signature of any one of the three registrars and, if deemed necessary by the registrar, the signature of the student's adviser or area chair.

A minimum of one-third of the hours within a major must be earned at Milligan College in order to receive a degree from Milligan.

Students enrolled concurrently at another institution must count the number of hours with the hours at Milligan College in determining a full load for the semester.

Transcripts

Official transcripts of the student's academic record in Milligan College are furnished only upon the request of the student. Requests must be addressed to the Registrar's Office and must be signed by the student. A one-time transcript fee is charged to all matriculating students. This is a lifetime fee for all transcripts. Transcripts are withheld if the student or alumnus has an unsettled obligation to the College.

Withdrawal

From college

No student may withdraw from the College without the permission of the dean. Upon securing the consent of the dean, the student is expected to meet all obligations involving instructors, fellow students, deans, residence hall directors, the vice president for business and finance, and the registrar. The withdrawal process begins and ends in the Office of the Vice President for Student Development; other college offices (dean, registrar, financial aid, student accounts) are notified of the student's withdrawal.

Students who leave the College without fulfilling these obligations receive "Fs" in all courses in which they are enrolled and forfeit any returnable fees which may have been paid to the College.

Students withdrawing from the College during the first eleven weeks of the semester (or the equivalent of 11/15 of an academic term when the term length is other than 15 weeks) will receive a grade of "W" in all courses. Withdrawals from the College after the eleventh week will be recorded with "W" or "F" at the discretion of the instructor. A student who does not withdraw by the official procedure will receive an "F" for each course.

The College may administratively withdraw a student who is not attending class or otherwise not demonstrating a serious academic effort. Administrative withdrawals during the first eleven weeks of the semester (or the equivalent of 11/15 of an academic term when the term length is other than 15 weeks) will receive a grade of "W" in all courses. Administrative withdrawals from the College after the eleventh week will be recorded with "W" or "F" at the discretion of the instructor.

The College may dismiss a student for social infractions. Social dismissals during the first eleven weeks of the semester (or the equivalent of 11/15 of an academic term when the term length is other than 15 weeks) will receive a grade of "W" in all courses, unless failing grades are also a part of the penalty. Social dismissals after the eleventh week will be recorded with "W" or "F" at the discretion of the instructor.

From a class

A student may, with the approval of the instructor and the adviser, withdraw from a class (except Bible 123, 124; Humanities 101, 102, 201, or 202; Developmental Studies) through the eleventh week of classes (or the equivalent of 11/15 of an academic term when the term length is other than 15 weeks). Classes dropped are evaluated with the grade "W." Withdrawal from a class with a "W" after the eleventh week of classes requires the consent of the instructor, the adviser, and the dean and will only be considered in extenuating circumstances. The signed withdrawal form must be received in the Registrar's Office before the end of the last class day (not including final exam week) of the term.

Writing and Study Skills Center

The Writing and Study Skills Center is a place where any student can access resources and receive classroom or individual instruction for academic success. Located in Derthick 102, the Center is staffed by a writing and study skills instructor. Hours are posted on the door.

Academic programs

Milligan College offers students a Christian liberal arts education in a community of inquiry, responsibility, and caring.

The term "liberal arts" often is used to refer to a body of knowledge, concentrated in the humanities. This subject matter is meant to educate a student broadly about the historical, philosophical, and literary basis of our modern society. At Milligan College, these subjects are always taught from a perspective of God's activity with humanity; thus, biblical studies are also a critical element. The College's strong core curriculum, with an interdisciplinary humanities program and Bible, certainly teaches the "liberal arts."

But liberal arts is also a way of describing an education that seeks to prepare students to think, to inquire about the nature and meaning of the world, and to analyze information and ideas. A liberal arts education orients students toward the world in an open and constructive way, to lead and to serve. Learning from a liberal arts perspective prepares one for an ever-changing world. This approach to the liberal arts is our goal at Milligan College.

In Milligan College's educational model, the student is expected to acquire a general education by following a rationally determined pattern of course requirements comprised of required and optional courses in the various major disciplines. Every baccalaureate degree-seeking student must fulfill the requirements of a faculty-approved major. The declaration of the major is made no earlier than the second semester of the freshman year. Except in the case of a few majors, students are not required to pursue another less extensive study in a discipline outside the major discipline, known as a minor. See the description for the major to determine if a minor discipline of study is required.

Milligan College grants three baccalaureate degrees and three master's degrees: Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Bachelor of Science in Nursing (B.S.N.), Master of Business Administration (M.B.A.), Master of Education (M.Ed.), and Master of Science in Occupational Therapy (M.S.O.T.).

Baccalaureate degrees

A minimum of 128 semester hours is required for graduation with any baccalaureate degree. A student transferring from another college must be in residence during the three semesters (may include one nine-week summer session) immediately preceding graduation and must successfully complete not fewer than 45 of the 128 required semester hours through instruction at Milligan College. A minimum of one-third of the hours within a major must be earned at Milligan College.

Students may earn a second baccalaureate degree distinct from the first in major and degree type and subsequent to the completion of the first degree by completing at least thirty semester hours in another major.

Bachelor of Arts degree (B.A.)

The Bachelor of Arts degree is conferred in all fields in which the College offers a major, with the exception of nursing. Foreign language proficiency is required through the intermediate level. The specific degree requirements are found in the description of each major or program.

Bachelor of Science degree (B.S.)

The Bachelor of Science degree is conferred in the fields of applied finance and accounting, biology, business administration, chemistry, communications, computer information systems, early childhood development, human performance and exercise science, mathematics, psychology, and sociology.

Bachelor of Science in Nursing degree (B.S.N.)

The Bachelor of Science in Nursing degree program prepares students for worldwide professional nursing career opportunities and for graduate study. Upon satisfactory completion of the nursing program requirements, graduates of the program become eligible to sit for the NCLEX-RN licensure examination.

Graduate degrees

Master of Business Administration degree (M.B.A.)

The Master of Business Administration degree program prepares students for roles of leadership in business. Students' knowledge of the major functional areas within business is reinforced while a commitment to Christian values and ethical conduct prepares students to meet the challenges of a highly competitive business environment with integrity and character.

The program consists of forty credit hours delivered over approximately eighteen months, divided into four semesters. Classes meet one weekend each month and are supported by extensive internet-based contact among the students and with faculty between the monthly class sessions. The program is cohort-based, with two cohorts beginning each year. The program model, incorporating periods of intensive class-time together with independent, distance-based work, is well suited for mature, working students.

Master of Education degree (M.Ed.)

The Master of Education program includes both initial licensure and advanced degree options. These programs are designed for prospective teachers (initial licensure) and licensed teachers (advanced degree), and are available in several licensure fields including early childhood education (Pre-kindergarten-grade 4), middle grades (grades 5-8), secondary (grades 7-12), and several K-12 specialty areas. Initial licensure candidates in any of the above licensure fields may finish the program in two summers and one academic year (i.e. fifteen months). The advanced degree program consists of core courses plus electives available in fall, spring, and summer terms. Students in either of the programs may choose to extend course work beyond the typical program completion period.

The initial licensure program is designed for students who have a non-education baccalaureate degree with a strong general education component and one or more specialty or endorsement areas (or majors). This program consists of 46 to 47 semester hours. The advanced degree program is designed for licensed teachers who wish to enhance existing professional competencies or pursue additional licensure or both. This program is closely tied to the National Board for Professional Teaching Standards certification process. This program consists of 36 semester hours (a twenty-four credit core and twelve elective credits).

Master of Science in Occupational Therapy degree (M.S.O.T.)

The Master of Science in Occupational Therapy degree program is designed for students who have an earned bachelor's degree and who have completed the prerequisite requirements for admission to the program. Baccalaureate degrees can be in a variety of academic areas, some of which include human performance and exercise science, human development, sociology, biology, and psychology.

The Master of Science in Occupational Therapy degree program promotes integration and utilization of theory and practice in the art and science of occupational therapy and prepares students to meet the entry-level standards of the American Occupational Therapy Association.

Matriculation of a cohort of new students is contingent upon an adequate number of admitted applicants.

General education requirements

In order for students to meet the desired outcomes listed above, the following general education courses, in addition to courses in a major and, in some cases, a minor, are required for all Milligan College students:

1. Old Testament Survey (BIBL 123), New Testament Survey (BIBL 124), and Christ and Culture (BIBL 471). (9 hrs total)

2. Freshman Humanities (HUMN 101 and 102) and Sophomore Humanities (HUMN 201 and 202). (24 hrs total).

   Students must earn a C- or better in HUMN 101W (beginning fall semester 2003) in order to advance to HUMN 202W and to meet the writing requirements for graduation. At the writing professor's discretion, students with more severe writing difficulties may be required also to complete successfully (i.e., pass with a C- or better) HUMN 093 when repeating HUMN 101W.

   Students must also pass HUMN 202W (D- or better) in order to complete the writing requirements for graduation.

3. Introduction to College and Calling (PSYC 100). (1 hr total)

4. Fitness for Life (HPXS 101) and one additional hour of activity (chosen from HPXS 151 - 208). (2 hrs total)

5. Eight credit hours of laboratory science from Biology, Chemistry, Physics, or Kinesiology and Biomechanics (HPXS 352). (8 hrs total)
6. Six credit hours of social learning courses, to be selected from economics, geography, political science, psychology, or Sociology.

7. Three credit hours of ethnic studies, to be chosen from the following courses: History of Fiction Film (COMM 371); Global Political Economies (ECON/LS/POLS 304); African-American Narrative Literature (ENGL 362); World Geography: The Developing World (GEOG 202); History of Islam (HIST 206); History of the Jews Since 70 A.D. (HIST 208); Seminar on Vietnam (HIST 480); Japanese Literature (HUMN 285); World Music (MUSC 150); Religions of the World (RELG/PHIL 350); Religion, Culture and Peoples of Africa (RELG 495); Introduction to Cultural Anthropology (SOCL 210); Race and Ethnic Relations (SOCL 314); Aspects of Intercultural Studies (SOCL 360); Civilization and Culture of Latin America (SPAN 402). (3 hrs total)
   Additional courses are included in this list as approved by the College.

8. Speech Communication (COMM 102 or an acceptable substitute). (3 hrs total)

9. Three credit hours of mathematics. (3 hrs total)

10. For bachelor of arts students, foreign language competency through the intermediate level. (6-12 hrs total)

Outcomes

The core curriculum for baccalaureate degrees at Milligan College is designed to provide students with a broad foundation for life-long learning and for further study in specific disciplines. Toward that end, students who complete the core curriculum should show evidence of the following with regard to their knowledge, skills, and attitudes:

- the ability to read texts critically, to discern their presuppositions and implications, and to evaluate intelligently their effectiveness.
- the ability to recognize and appreciate different literary and artistic forms, to perceive how form and content are related, and to recognize the interconnections among academic disciplines.
- an abiding awareness of how the present is linked to the past through formative ideas and events of Western-and to a lesser degree of non-Western-civilizations.
- a broad and appreciative understanding of human beings and human life in global, local, and personal contexts.
- a knowledge of the content of the Bible, as well as an understanding of how historical, cultural, and social contexts affect the Bible's composition, reception, interpretation, and lived application.
- the ability to write effectively, utilizing the conventions of standard written English.
- the ability to undertake basic academic research, employing a variety of learning resources and technologies.
- the ability to recognize the factors that influence human communication and to demonstrate this understanding by researching, preparing and delivering a variety of effective public speeches.
- the ability to think logically and reason effectively, utilizing scientific and mathematical methodologies to solve problems.
- for bachelor of arts candidates, an intermediate proficiency in a modern language other than one's native language, or translation skill in an ancient language.
- the ability to perform a variety of physical activities, to incorporate those skills into a physically active lifestyle, and to understand and appreciate the benefits of that lifestyle.

Computer literacy requirement

Graduates of Milligan College degree programs must demonstrate competency in the basic use of computers, including basic operating system skills, word processing, e-mail, and library and research skills.

Fitst-time students must complete the computer literacy and library assignments in Psychology 100 with 65% accuracy. Students who do not complete the assignments with 65% accuracy must enroll in CIS 275 Computer Applications before graduation. This coutse must be completed with 65% accuracy or the course must be repeated.

Transfer students who have not completed a computer literacy course at another institution may complete the computer competency exam during new student orientation. Students will be informed of this option at the time their transcripts are evaluated. Students who do not complete the computer competency exam during new student orientation with 65% accuracy must enroll in and successfully complete a course with a significant computer component approved by the Registrar's Office before graduation.

Adult degree completion program (ADCP) students with a major in business administration must complete CIS 275B Computer Applications. This course must be completed with 65 % accuracy or the course must be repeated.

Applicants to the Master of Business Administration program must have prior academic work in computers and/or computer applications or, alternatively, must demonstrate competency as determined by the M.B.A. admissions committee. Such competency may be determined by the nature of an applicant's work experience. Further, M.B.A. students complete individual assignments as well as group projects and presentations throughout the program that require extensive use of computer technology. The M.B.A. faculty evaluates these assignments, defining successful completion as an overall grade of 80%. Additionally, because of the extensive use of computer technology, including internet-based activities, successful completion of the degree program inherently requires a high level of computer literacy.

Master of Education students will complete assignments in EDUC 511 and EDUC 512 with 70% accuracy. Successful completion of EDUC 511 and EDUC 512 are required for graduation.

Master of Science in Occupational Therapy students are required to use computer technology to complete a research project. The research portion of the curriculum includes the courses OT 580, OT 680, OT 685 and OT 780. M.S.O.T. students are required to provide computerized presentations in other core OT courses. Students must achieve a 3.0 grade point average for graduation.

Developmental studies

The developmental studies classes in mathematics, writing, and study skills give students the opportunity to develop more proficiency in these areas and increase their chances for success in college course work. Applicants with ACT scores of below 19 in math or SAT numerical scotes of 440 or below are required to take Developmental Math. Students with no ACT or SAT scores and with no college level (not developmental) math credit with a grade of C- or above must take a math competency test to assess their need for developmental math.

Applicants with ACT scores of 20 or below in English or Reading or with SAT verbal scores of 490 or below are required to take College Reading and Study Skills their first semester. Such applicants with ACT scores of 19 or 20 in English and Reading or SAT Verbal score of 460-490 and a high school cumulative g.p.a. of 3.5 or above are exempted from the requirement to register for College Reading and Study Skills.

Applicants with ACT scores of 20 or below in English or SAT verbal scores of 490 or below will be preregistered for Fundamental College Writing during their first semester. Each student's placement in Fundamental College Writing will be confirmed or canceled after the writing staff has evaluated an essay written by the student during orientation. Transfer students, international students, and any students with no ACT or SAT scores are evaluated for Fundamental College Writing on the basis of a writing sample completed during orientation.

A student whose first semester performance in freshman humanities indicates a need for assistance may be placed in College Reading and Study Skills and/or Fundamental College Writing the following semester on the recommendation of the student's humanities section leader or writing instructor.

Students placed in College Reading and Study Skills and Fundamental College Writing cannot withdraw from these courses. However, upon demonstrating the ability to do "A," "B," or "C" work consistently in humanities courses being taken at the same time, a student may be excused by the instructor from completing either College Reading and Study Skills or Fundamental College Writing and receive credit for the course. Upon satisfactory performance on the math competency exam given at the beginning of the semester or upon instructor approval, a student may withdraw from Developmental Math.

A minimal grade of "C-" is required to pass developmental studies courses. Failure to pass a developmental studies course requires that the student retake the course the following semester unless otherwise determined by the developmental studies professor.

- Mathematics - see MATH 090
- College Reading and Study Skills - see HUMN 091
- Fundamental College Writing - see HUMN 093

These hours do not count toward the 128 hours required for a degree but are included in the student's GPA.

Students transferring composition credits must prepare a writing sample during new student orientation to determine level of writing competency and any need for additional basic writing instruction.

Co-operative programs

Co-operative programs enable students to enjoy the advantages of the distinctive ministries of two colleges. Further information may be obtained by contacting the registrar.

ROTC

Milligan College students are eligible to participate in the Reserve Officers' Training Corps program through East Tennessee State University. Interested persons should contact the Office of the Registrar for further information.

East Tennessee State University Co-operative program

With approval, Milligan College students who wish to enroll in courses not available at Milligan College may do so at East Tennessee State University. This work is considered part of the Milligan College program, and tuition for these courses is payable to Milligan College. However, students will be responsible for providing their own transportation to and from Johnson City. See the assistant registrar for details about this program.

Off-campus programs

In the case of each of the following off-campus programs, students arrange their courses of study by mutual consent, paying regular tuition to their own institutions and room and board to the host college.

Council for Christian Colleges & Universities

The Council for Christian Colleges & Universities (CCCU), an association of 100 campuses in the United States and Canada, offers the following semester and summer programs to students of its member institutions. The programs offer a unique opportunity for students to make the world their classroom, going beyond the confines of the traditional classroom. These interdisciplinary learning opportunities are available to upperclass students. For further information, contact the Office of the Vice President for Academic Affairs and Dean.

American Studies Program (ASP)

Founded in 1976, the American Studies Program has served hundreds of students from member institutions as a "Washington, D.C. campus." ASP uses Washington as a stimulating educational laboratory where collegians gain hands-on experience with an internship in their chosen field. Internships are tailored to fit the student's talents and aspirations and are available in a wide range of fields. They also explore pressing national and international issues in public policy seminars which are issue-oriented, interdisciplinary, and led by ASP faculty and Washington professionals. ASP bridges classroom and marketplace, combining biblical reflection, policy analysis, and real-world experience. Students are exposed to on-the-job learning that helps them build for their future and gain perspective on the calling of God for their lives. They are challenged in a rigorous course of study to discover for themselves the meaning of Christ's lordship in putting their beliefs into practice. The aim of the program is to help Council schools prepare their students to live faithfully in contemporary society as followers of Christ. Students earn 16 semester hours of credit.

China Studies Program (CSP)

The China Studies Program enables students to engage this large and intriguing country from the inside. While living and experiencing Chinese civilization firsthand, students participate in seminar courses on the historical, cultural, religious, geographical, and economic realities of this strategic and populous nation. In addition to the study of standard Chinese, students will be given such opportunities as assisting Chinese students learning English or working in an orphanage, allowing for one-on-one interaction. The program introduces students to the diversity of China, including Hong Kong, Beijing, Shanghai, and Xi'an. This interdisciplinary, cross-cultural program enables Christian students to deal with this increasingly important part of the world in an informed, Christ-centered way. Students earn 16 semester hours of credit.

Contemporary Music Program (CMP)

The Contemporary Music Program provides students the opportunity to live and work in community while seeking to understand how God will have them integrate music, faith, and business. Both interdisciplinary and multidisciplinary in nature, the CMP offers two tracts: the Artist Track and the Executive Track. The Artist Track is tailored to students considering careers as vocalists, musicians, songwriters, recording artists, performers, producers, and recording engineers. The Executive Track is designed for business, arts management, marketing, communications, and other majors interested in possible careers as artist managers, agents, record company executives, music publishers, concert promoters, and entertainment industry entrepreneurs. Both Artist and Executive track students receive instruction, experience, and uniquely Christian perspective on creativity and the marketplace, while working together to create and market a recording of original music. Both tracks include course work, labs, directed study, and practicum. Students earn 16 semester hours of credit.

Honours Programme-CMRS, Oxford (HP-O)

Honors and other highly qualified students have the exciting opportunity to study in England through an interdisciplinary semester in Oxford. The rigorous academic program, aimed at increasing critical thinking skills and scholarship from an integrated Christian perspective, allows participants to choose from a wide variety of tutorial study programs in numerous disciplines, including the arts, religion, history, literature, and philosophy. In addition to two tutorials, students participate in a seminar and integrative course through which they produce a scholarly project or term paper. Field trips provide opportunities for experiential learning in England's rich historical setting. Students earn 16 semester hours of credit.

Latin American Studies Program (LASP)

Students of CCCU colleges have the opportunity to live and learn in Latin America through the Latin American Studies Program, based in San Jose, Costa Rica. The program introduces students to a wide range of experiences through the study of language, literature, culture, politics, history, economics, ecology, and religion of the region. Living with a Costa Rican family, students experience and become a part of the day-to-day lives of typical Latin Americans. Students also take part in a service opportunity and travel for three weeks to nearby Central American nations. Students participate in one of four concentrations: Latin American Studies (offered both fall and spring terms); Advanced Language and Literature (limited to Spanish majors and offered both fall and spring terms); International Business and Management (offered only in the fall term); and Tropical Sciences (offered only during spring terms). Students in all concentrations earn 16 semester hours of credit.

Los Angeles Film Studies Center (LAFSC)

The Los Angeles Film Studies Center is designed to train students of Council institutions to serve in various aspects of the film industry with both professional skill and Christian integrity. Students live, learn, and work in the LA area near major studios. The curriculum consists of two required seminars focusing on the role of film in culture and the relationship of faith to work in this very influential industry. In addition, students choose two elective courses from a variety of offerings in film studies. Internships in various segments of the film industry provide students with hands-on experience. The combination of the internship and seminars allows students to explore the film industry with a Christian context and from a liberal arts perspective. Students earn 16 semester hours of credit.

Middle East Studies Program (MESP)

This program, based in Cairo, Egypt, allows Council students to explore and interact with the complex and strategic world of the modern Middle East. The interdisciplinary seminars give students the opportunity to explore the diverse religious, social, cultural, and political traditions of Middle Eastern people. In addition to seminars, students study the Arabic language and work as volunteers with various organizations in Cairo. Through travel to Israel, Palestine, Jordan, Syria, and Turkey, students are exposed to the diversity and dynamism of the region. MESP encourages and equips students to relate to the Muslim world in an informed, constructive, and Christ-centered manner at a time of tension and change. Students earn 16 semester hours of credit.

Russian Studies Program (RSP)

RSP students are exposed to the depth and diversity of the culture during a semester spent in Russia's three largest cities: Moscow, St. Petersburg, and Nizhnii Novgorod. In addition to three seminar courses entitled History and Sociology of Religion in Russia; Russian Peoples, Cultures, and Literature; and Russia in Transition, students receive instruction in the Russian language, choosing either four or six semester hours of language course work. For those choosing four hours of Russian, a seminar course, International Relations and Business in Russia, is available. RSP

strives to give students as wide an experience as possible in this complex nation, beginning with time in Moscow, the heart of both medieval and modern Russia. Students then spend 12 weeks in Nizhnii Novgorod, a strategic city on the Volga River. After six weeks of language instruction, students live with a Russian family for the remainder of their stay in this city. Students also participate in a service opportunity in Nizhnii Novgorod. The program concludes with time in the complex and intriguing city of St. Petersburg, the Russian "window to the West." Students earn 16 semester hours of credit.

Summer Programme-CMRS, Oxford

This program allows students to spend a summer term studying at the Centre for Medieval and Renaissance Studies (CMRS) in Oxford, England. The program includes multidisciplinary study of the Renaissance and Reformation through examination of philosophy, art, literature, science, music, politics, and religion of early modern Europe in a choice of lectures, seminars, and field trips. Students earn 6 to 9 semester hours of credit, which are administered directly to member institutions by CMRS.

Summer Institute of Journalism (SIJ)

Council campuses are invited to choose two student journalists to apply for this four-week, all-expenses-paid experience in Washington, D.C. Fifteen students are selected to participate in the Institute, which lasts from mid-May to mid-June. The institute blends classroom experience with hands-on work and provides an excellent opportunity to learn through lectures and panels with leading journalists who share a strong Christian commitment. Students also participate in seminars taught by communications professors from Council member institutions, take part in field trips, and complete workshop projects for hometown newspapers. SIJ provides valuable insight and training in gathering and writing news, editing copy, and designing layout. The Institute develops students as Christian journalists-exhibiting both professionalism and legal/ethical integrity. Students earn 4 semester hours of credit.

Programs, majors and minors

Majors and minors

	Major	Minor	B.A.	B.S.	B.S.N.	Grad
Accounting		X				
Applied Finance and Accounting	X		X	X		
Art (see Fine Arts)	X	X	X			
Bible		X				
Bible/Ministry	X		X			
Biology	X	X	X	X		
Business Administration	X	X	X	X		X
Chemistry	X	X	X	X		
Children's Ministry		X				
Christian Ministry		X				
Coaching		X				
Communications	X	X	X	X		
Computer Information Systems	X	X	X	X		
Early Childhood Development	X		X	X		
Economics		X				
Education						X
Educational Studies		X				
English	X	X	X			
Exercise Science		X				
Film Studies		X				
Fine Arts	X		X			
Fitness and Wellness		X				
French		X				
General Science		X				
Greek		X				
Health Care Administration		X				
History	X	X	X			
Human Perform. & Exer. Science	X		X	X		
Humanities	X		X			
Language Arts	X		X			
Legal Studies		X				
Mathematics	X	X	X	X		
Missions		X				
Music (General Music Studies)	X	X	X			
Music Education	X		X			
Music (see Fine Arts)	X		X			
Nursing	X				X	
Occupational Therapy						X
Philosophy		X				
Photography (see Fine Arts)	X	X	X			
Physical Education		X				
Physical Science		X				
Political Science		X				
Psychology	X	X	X	X		
Public Leadership and Service	X		X			
Sociology	X	X	X	X		
Spanish		X				
Theatre Arts (see Fine Arts)	X	X	X			
Worship Leadership	X		X			
Worship Ministry		X				
Youth Ministry		X				

Majors

As students progress toward the baccalaureate degree, they select a major from the following: Applied Finance and Accounting, Bible/Ministry, Biology, Business Administration, Chemistry, Communications, Computer Information Systems, Early Childhood Development, English, Fine Arts, History, Human Performance and Exercise Science, Humanities, Language Arts, Mathematics, Music (General Music Studies), Music Education, Nursing, Psychology, Public Leadership and Service, Sociology, and Worship Leadership. Professional teaching licensure is available in several fields and at both baccalaureate and graduate levels. A student may declare as a major only those majors that are available at Milligan College or available through one of the established cooperative agreements.

Minors

Except in the case of a few majors, students are not required to select a minor. Fields of minor concentration vary from eighteen to twenty-four hours in the number of semester hours credit required. Hours counted toward a major may not be counted also toward a minor or a second major.

Minors are available in Accounting, Art, Bible, Biology, Business Administration, Chemistry, Children's Ministry, Christian Ministry, Coaching, Communications, Computer Information Systems, Economics, Educational Studies, English, Exercise Science, Film Studies, Fitness and Wellness, French, General Science, Greek, Health Care Administration, History, Legal Studies, Mathematics, Missions, Music (General Music Studies), Philosophy, Photography, Physical Education, Physical Science, Political Science, Psychology, Sociology, Spanish, Theatre Arts, Worship Ministry, and Youth Ministry.

A transfer student must take at least one-third of the hours in the major field of study at Milligan College.

Majors and minors by area

Biblical Learning (R. David Roberts, Area Chair)

majors

Bible/Ministry
with emphases in Children's Ministry, Missions, Pastoral Ministry, Youth Ministry
Worship Leadership

minors

Bible
Children's Ministry
Christian Ministry
Missions
Worship Ministry
Youth Ministry

Business (William B. Greer, Area Chair)

majors

Applied Finance and Accounting
Business Administration
with emphases in Accounting, Economics, General, Health Care Administration, International Business, Legal Studies, Management, Marketing, Sports Management
Computer Information Systems

minors

Accounting
Business Administration
Computer Information Systems
Economics
Health Care Administration
Legal Studies

master's

Master of Business Administration

Education (Beverly L. Schmalzried, Area Chair)

majors

Early Childhood Development
Human Performance and Exercise Science
with emphases in Exercise Science, Fitness and Wellness, Physical Education

minors

Coaching
Educational Studies
Exercise Science
Fitness and Wellness
Physical Education

master's

Master of Education

Humane Learning (Jack L. Knowles, Area Chair)

majors

English
Humanities
Language Arts

minors

English
French
Greek
Philosophy
Spanish

Nursing (Melinda K. Collins, Area Chair and Director)

major

Nursing

Occupational Therapy (Christy Gamble, Area Chair and Director)

master's

Master of Science in Occupational Therapy

Performing, Visual, and Communicative Arts (Richard Major, Area Chair)

majors

Communications
with emphases in Broadcasting, Digital Media Studies, Film Studies, Journalism, Public Relations/Advertising
Fine Arts
with emphases in Art, Music, Photography, Theatre
Music (General Music Studies)
with emphases in Applied Study and Jazz Studies
Music Education
with emphases in Vocal and Instrumental

minors

Art
Communications
Film Studies
Music (General Music Studies)
Photography
Theatre Arts

Scientific Learning (Richard D. Lura, Area Chair)

majors

Biology
Chemistry
Mathematics

minors

Biology
Chemistry
General Science
Mathematics
Physical Science

Social Learning (Bertram S. Allen, Area Chair)

majors

History
Psychology
Public Leadership and Service
Sociology

minors

History
Political Science
Psychology
Sociology

Accounting

Area of Business

Milligan College offers an applied finance and accounting major (B.A. or B.S. degree) and an accounting minor. These programs support the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the social sciences, and to understand a significant body of material in their major field of study.

- Students will gain an enriched quality of life through stewardship of resources and preparation for graduate studies and a rewarding career or profession.

Courses in finance, economics, and accounting are designed to prepare the student for careers in finance, public accounting, corporate and managerial accounting (controllership), and related enterprise and institutional management areas. Basic skills are learned and practiced and higher-level finance and accounting concepts and principles are acquired through problem-oriented courses in each of the discipline areas. The use of finance and accounting as managerial tools is emphasized.

Graduates with a major in applied finance and accounting are expected to: (1) possess broad finance, accounting and business knowledge as well as mastery of the technical knowledge of finance and accounting in order to serve the organizations in which they work; (2) be well prepared to find ready employment in the field; (3) possess the ability to apply computer and information technology to solve real-world finance, accounting and business problems; (4) have acquired leadership and management skills that are necessary for the successful planning, implementation, and control of the business enterprise, all rooted in a foundation of ethical and moral principles.

Students planning to become certified public accountants should be aware that many states have made substantial changes in their educational requirements for persons desiring a CPA Certificate. These requirements vary in their specific requirements from state to state but must be met before the applicant's first sitting for the Uniform CPA Examination. Students should check the exact requirements for the particular state in which they intend to seek certification. For example, the State of Tennessee requires a total of 150 semester hours, which is an additional 22 semester hours beyond the 128 needed for a bachelor's degree at Milligan College. Students intending to become certified public accountants are encouraged to consult with their advisers early in their college career.

Applied Finance and Accounting major - B.A. or B.S. (33 hrs)

In addition to specific courses required in the major, the student must complete MATH 213, which meets the math requirement in the general education requirements, and CIS 275. A grade point average of 2.25 is required in the major.

ACCT 211 and 212 Introductory Accounting I and II (6 hrs)
ACCT 301 and 302 Intermediate Accounting I and II (6 hrs)
ACCT 311 Cost Accounting (3 hrs)
ACCT 412 Federal Income Taxation (3 hrs)
ECON 201 Macroeconomic Principles and 202 Microeconomic Principles (6 hrs)
ECON 301 Corporate Finance (3 hrs)
ECON 401 Advanced Topics in Corporate Finance (3 hrs)
ECON or ACCT electives at the 300 or 400 level (3 hrs)

The B.A. requires a foreign language through the intermediate level.

Accounting minor (24 hours)

ECON 201 Macroeconomic Principles and 202 Microeconomic Principles (6 hrs)
ACCT 211 and 212 Introductory Accounting I and II (6 hrs)
ACCT 301and 302 Intermediate Accounting I and II (6 hrs)
ACCT electives at the 300 or 400 level (6 hrs)

Business administration majors with an accounting minor are required to take 12 hours of business electives in place of ECON 201 and 202 and ACCT 211 and 212.

Course Descriptions

ACCT 211. Introductory Accounting I - An introduction to the principles and the practice of accounting. Coverage is given to the fundamentals of recording, summarizing, analyzing, and reporting financial information in accordance with generally accepted accounting principles. Although all business entities are discussed, the primary focus is the accounting system of the sole proprietorship. Offered fall term each year. Three semester hours.

ACCT 212. Introductory Accounting II - A continuation of the fundamentals of the principles of accounting. Coverage begins with partnerships and corporations and the accounting issues related to these entities. Attention is then given to the fundamentals of managerial accounting principles and systems, with an emphasis on recording, reporting, analysis, and decision-making. Prerequisite: ACCT 211. Offered spring term each year. Three semester hours.

ACCT 301. Intermediate Accounting I - An in-depth study of financial accounting topics as well as recent developments in accounting valuation and reporting practices. Detailed attention is provided to recording, reporting, and disclosure of financial information. Emphasis is primarily given to statements of income and retained earnings and the asset accounts of the balance sheet. Prerequisite: ACCT 212. Offered fall term each year. Three semester hours.

ACCT 302. Intermediate Accounting II - A continuation of the in-depth study of financial accounting topics. Emphasis is given to liabilities and stockholders equity accounts of the balance sheet and the statement of cash flows. Also covered are the topics of: earnings per share, investments, income taxes, pensions and other retirement benefits, leases, accounting changes, and error analysis. Prerequisite: ACCT 301. Offered spring term each year. Three semester hours.

ACCT 311. Cost Accounting - A study of the use of accounting information for managerial decisions with emphasis on the role of the controller and the "Planning and Control" techniques used in modern industrial and commercial organizations. Prerequisite: ACCT 212. Offered spring term alternate years. Three semester hours.

ACCT 312. Auditing I - A study of the concepts and standards of independent auditing with an emphasis on the decision-making process. The overall audit plan and program is presented with regard to: professional ethical and legal responsibilities, audit and other attestation reports, planning and documentation, evidence, materiality, and internal control. Prerequisite: ACCT 212. Offered fall term alternate years. Three semester hours.

ACCT 313. Auditing II - A continuation of the study of the concepts and standards of independent auditing with a primary emphasis on the detailed application of the audit process to financial statement cycles. Attention is given to the types and application of audit tests needed for evidence gathering purposes and completion of the audit process. Prerequisite: ACCT 312. Offered spring term alternate years. Three semester hours.

ACCT 315. Not-For-Profit Accounting - A study of accounting principles and techniques uniquely applicable to the public and not-for-profit sectors of economic organizations. This course includes the principles of "Fund Accounting" as well as controllership techniques utilized in managing not-for-profit and governmental institutions. Prerequisite: ACCT 212. Offered spring term alternate years. Three semester hours.

ACCT 411. Federal Income Taxation - A study of the U.S. income taxation and return preparation of individuals. This course focuses on the concepts of inclusions and exclusions of gross income, exemptions, personal and business deductions, losses, and cost recovery as they are applied to individuals. Prerequisite: ACCT 212. Offered fall term alternate years. Three semester hours.

ACCT 412. Federal Income Taxation - A study of the U.S. income taxation of corporations, partnerships, trusts, and estates as well as the U.S. estate and gift taxation. Emphasis is given to the tax consequences of the formation and operation of those entities. Prerequisite: ACCT 411. Offered spring term alternate years. Three semester hours.

ACCT 415. Advanced Accounting: Theory - A continuation of the study of the principles of accounting with emphasis on the more complex accounting environment. This includes such areas as business combinations, bankruptcies and other liquidations, intercompany transactions, segment reporting and accounting, and reporting for the Securities and Exchange Commission. Prerequisite: ACCT 302. Offered fall term each year. Three semester hours.

ACCT 416. Advanced Accounting: Problems - A study to prepare the student to handle complex accounting problems of the type that frequently appear on the CPA exam. While the course is primarily oriented to the student planning to go into public accounting, it also has substantial value for the student interested in large company controllership. Prerequisite: ACCT 415. Three semester hours.

ACCT 491. Internship - A practicum experience, which involves the student in a supervised position in business for the dual purpose of learning about accounting and possible occupational choices. Prerequisite: consent of major professor. Offered every term. One to six semester hours.

Art

Area of Performing, Visual, and Communicative Arts

Fine Arts major - B.A. (37 hrs)

Art emphasis

Milligan College offers a fine fine arts major with an *art emphasis*. For further information on the fine arts major, refer to the information under the listing for fine arts major.

Art minor (18 hrs)

The art minor fits well with numerous majors, including but not limited to Bible, business administration, communications, humanities, and psychology. The study of art may serve to foster students' avocational interests as well as to prepare them for more concentrated art studies in the future.

Three hours from HUMN 101, 102, 201, and 202 (or an equivalent approved by the registrar)
ART 250 Drawing I (3 hrs)
ART 251 Painting I (3 hrs)
ART 367 Art History (3 hrs)
Studio art or photography courses (6 hrs)

Course descriptions

ART 110. Design Fundamentals - An introductory course designed to strengthen visual problem-solving, color awareness, use of value, and composition skills. Students will work in a variety of media (2D and 3D) on a series of projects that promote the above-mentioned skills, in the context of studying key works of art by artists of historical significance. Offered fall term each year. Three semester hours.

ART 237. Basic Photography - An introduction to the 35mm camera and basic darkroom procedures. Students develop confidence in picture-taking and picture-printing procedures. Offered every term. Three semester hours.

ART 250. Drawing I - A drawing fundamentals class that is a requirement for the fine arts major (art emphasis) but is also appropriate for non-art majors. Emphases include contour, gesture, and light and shade techniques as well as media drawing. Subject matter includes the human figure, landscape, and still life as well as drawing from the imagination. Offered fall term each year. Three semester hours.

ART 251. Painting I - A course at the beginning level for fine arts (art) majors and non-art majors. Emphases include color mixing, paint application techniques, knowledge of materials, and historical and contemporary approaches. Subject matter and projects vary from figure and still life to abstraction of non-figurative assignments. Offered spring term each year. Three semester hours.

ART 252. Watercolor Workshop - A study in watercolor methods, concepts, and approaches related to the medium of watercolor, its practice, and its history. The course is designed so those students with little or no experience should feel comfortable alongside students who already possess some skills and understanding of the medium. Offered fall term even years. Three semester hours.

ART 253. Introduction to Ceramics - An introductory course in the art/craft of ceramics. The emphasis is on hand-built ceramics with the added potential for students to gain some knowledge of wheel-thrown techniques. Offered fall term odd years. Three semester hours.

ART 310. Intermediate Photography - An opportunity for students to expand their understanding of techniques and ideas presented in Basic Photography. Emphasis is placed on personal interpretation and visual communication. Prerequisite: ART 237. Offered every term. Three semester hours.

ART 312. Introduction to Color Photography - An introduction to basic color materials and skills. Students learn color-printing processes. Aesthetics and technique are integrated throughout the course in hands-on printing sessions, critiques of student work, and lectures on color photography. Prerequisites: ART 237 and 310. Offered fall term each year. Three semester hours.

ART 337. Photojournalism - An examination of photographic visual principles to help students see the photograph as a medium of communication. Prerequisite: ART 237. Offered spring term each year. Three semester hours.

ART 350. Drawing II - A course that builds on skills developed in Drawing I. Composition and creative problem solving are stressed within the context of assignments that allow students to explore multiple approaches to a few select themes. Color drawing media are also emphasized. Offered fall term odd years. Three semester hours.

ART 351. Painting II - A course designed to allow students who have developed a basic understanding of color and painting techniques from Painting I to focus on a more personal direction in terms of content and choice of media as agreed on between student and instructor. Offered spring term each year. Three semester hours.

ART 366. History of Photography - An overview of the history of photography from its beginning to present day. Slide lectures and class discussions examine the work of major photographers through the framework of historical, cultural, and social trends. Offered spring term odd years. Three semester hours.

ART 367. Art History - An in-depth study of nineteenth and twentieth century art. This course alternates between a European and an American emphasis depending on the semester/year in which it is offered. Topics include painting, sculpture, architecture, photography, and cross-discipline arts. Offered fall term even years. Three semester hours.

ART 400. Field Studies in Fine Arts - A study tour to a selected city in the United States for the purpose of studying various aspects of the fine arts, notably art, photography, and theatre. A tour leader arranges visits to galleries and theatres. Specific reading assignments are completed before the trip, and a written project is submitted after the trip. Offered spring term each year. One semester hour.

ART 411. Printmaking Studio - A course designed to allow students to explore relief printmaking (woodcut, linocut) as well as a limited number of intaglio techniques. Offered spring term even years. Three semester hours.

ART 421. Fine Arts and the Church - An investigation of the theories and models of the fine arts in a Christian context and the application of the fine arts in a Christian setting. Faculty and guest lecturers present insights into how the fine arts can be used in creative expressions of worship within the church. Portfolio review, interviewing techniques, and a final project are components of the course. Offered spring term odd years. Three semester hours.

ART 431. Sculpture Studio - An introductory course in three-dimensional problem-solving. Students work in a variety of materials as a means of understanding basic approaches to sculptural design through projects that range from the human figure to non-figurative forms. Offered spring term odd years. Three semester hours.

ART 437. Advanced Black and White/Color - An advanced approach to black and white and/or color printing techniques. Emphasis is placed on establishing a personal style and creating a strong body of work. The student explores further the medium of photography through the use of small, medium, and/or large format cameras. Various photographers are studied, and several critiques are held throughout the semester. Prerequisites: ART 237, 310, and 312. Offered as needed. Three semester hours.

ART 441. Fine Arts Methods - A study of art, music, and storytelling strategies and techniques useful to the teacher of children, birth through early adolescence. Enrollment is limited to students admitted to the professional level of the teacher education program. Offered spring term each year. Three semester hours.

ART 453. Digital Imaging - An introduction to the basic design tools of Adobe Photoshop followed by the exploration of the depths of pixel based image manipulation and ending with a more advanced study of the world renowned industry standard software package. The course covers photo restoration, surreal image creation, web page/interface design and optimization, and artistic expression through digital media. Offered spring term each year. Three semester hours.

ART 490. Directed Studies - Independent work for the junior or senior art or photography student in an area of the student's interest. The program is under the supervision of an art or photography professor. Offered every term. One to three semester hours.

ART 494. Senior Exhibition - A course designed to allow graduating seniors an opportunity to present an exhibition of their artwork. The course also allows additional directed study and individualized instruction. Required of all students with a fine arts major and an emphasis in art or photography. The program is under the supervision of an art or photography professor. Offered every term. Three semester hours.

ART 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Not offered every year. One to three semester hours.

Bible/Ministry

Area of Biblical Learning

Study of the Bible has been foundational to Milligan College since its inception. As the mission statement of the College indicates, Bible stands at the core of the "Christian worldview" that shapes all else about the College. The first two values affirmed in the mission statement ("A Positive, Personal Christian Faith That Jesus is Lord and Savior" and "A Commitment to Follow the Teachings of the Christian Scripture in One's Personal and Social Ethics") can only find reality in sincere study of the Bible. And because such study is demanding and stimulating, students enhance "The Capacity to Recognize and Assume Responsibility in Society" and appreciate "The Knowledge, Meaning, and Application of Sound Scholarship" in the Bible/Ministry major. However, Milligan College believes this serious study of scripture should always be connected with service (or "ministry"), and so each emphasis in the Bible/Ministry major is focused toward ministry in some way.

The Bible/Ministry major aims primarily to prepare people for leadership ministry in the church. The provision of specific "emphases" within the major recognizes the desire and need for specialization in ministry. Because ministry of any emphasis needs biblical, historical, and practical content, the same core of essential courses is required for each emphasis. Specialization then is provided through the specifics of the emphasis and through the opportunities of choices to be made among courses provided to satisfy the requirements. A wide diversity of options in the ministerial field can be pursued with this major. Those seeking graduate education with the possibility of teaching Bible or religion courses will also find this major most helpful.

Milligan College expects those who graduate with Bible/Ministry majors to: (1) be prepared for service in a leadership role of ministry in the church; (2) be able to prepare and preach sermons or teach lessons that have solid scriptural content; (3) have a good foundation in biblical, church historical, and practical studies for lifelong learning; (4) be equipped to pursue seminary or graduate education with a good preparation for that advanced study; (5) provide a good Christian example as a student of scripture. Emphases of spiritual dependence upon God, solid academic study-including serious study of the Bible itself-and practices of both integrity and effectiveness highlight a Bible/Ministry major from Milligan.

Students majoring in humanities and pursuing middle grades licensure may select an emphasis in Bible by completing upper level Bible courses for the elective courses in the humanities major. Students should see an adviser in humanities concerning this option.

Bible/Ministry major - B.A. (37-39 hrs)

The Bible/Ministry major at Milligan — requiring 37 to 39 hours — leads to the B.A. degree, which requires intermediate proficiency in a foreign language. Language proficiency satisfies a general education requirement for students completing a B.A. degree. The Bible/Ministry faculty strongly recommends this language be Greek (or Hebrew, when available) for the best study of the Bible

The Bible/Ministry major consists of four components: (1) a Bible core, (2) a church history core, (3) a Christian ministry core. and (4) courses specific to each emphasis.

Bible core (12 hrs)

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
3 hrs of Old Testament from BIBL 301, 304, 351, 352, 405, or 432
3 hrs of New Testament from BIBL 202, 321, 322, 325, 411, 412, or 452
BIBL 295 (Seminar), 489 (Directed Readings), 490 (Directed Studies), and 495 (Seminar) may be suitable Old or New Testament electives, depending on course content.

Church History core (12 hrs)

HIST 341 and 342 Church History (6 hrs)
HIST 431 Reformation of the Nineteenth Century (3 hrs)
3 hrs of electives chosen from HIST/BIBL 323, HIST/BIBL 343, HIST 352, 432, 495 (The Radical Reformation or Christ, Hitler and Women)

Christian Ministry core (7 - 8 hrs)

CMIN 250, 251, 252, 253 Practical Ministries Colloquium A - D (2 hrs)
CMIN 273 Introduction to Ministry (3 hrs)
CMIN 491 Practicum in Ministry (2 hrs) OR
CMIN 491 Practicum in Missions (3 hrs)

Emphases

The fourth component of the Bible/Ministry major consists of those courses specific to each emphasis.

Children's Ministry emphasis (7 hrs)

CMIN 217 Foundation for Youth and Children's Ministry (3 hrs)
CMIN 261 Introduction to Christian Education (2 hrs)
CMIN 317 Materials and Methods of Children's Ministries (2 hrs)

Missions emphasis (6 hrs)

CMIN 270 Introduction to Christian Missions (3 hrs)
One additional course from the following:
ART 421 Fine Arts and the Church (3 hrs)
CMIN 265 Effective Christian Evangelism (2 hrs) (note: if CMIN 265 is selected, a third hour must be taken as CMIN 490 Directed Studies)
CMIN 271 History of Christian Missions (3 hrs)
CMIN 430 Servanthood in the Third Millennium (3 hrs)
CMIN 470 Current Issues in World Mission (3 hrs)
HIST 206 History of Islam (3 hrs)
HIST 208 History of the Jews Since 70 A.D. (3 hrs)
BIBL/HIST 343 History of Biblical Interpretation (3 hrs)
HIST 450 The Holocaust (3 hrs)
MUSC 150 World Music (3 hrs)

A strength of the missions emphasis is its interdisciplinary structure. Because effective ministry entails an understanding of human nature, the missions emphasis incorporates a solid foundation in the social sciences. To accomplish this, the missions emphasis requires an accompanying modified minor in sociology comprised of the following:

SOCL 210 Introduction to Cultural Anthropology (3 hrs)
Fifteen additional hours of sociology selected from:
SOCL 303 Family (3 hrs)
SOCL 314 Race and Ethnic Relations (3 hrs)
SOCL 360 Aspects of Intercultural Studies (3 hrs)
SOCL 421 Sociology of Religion (3 hrs)
SOCL 451 Sociological Theory (3 hrs)
SOCL 461 Dynamics of Cultural Change (3 hrs)
Other approved Bible/Ministry and sociology electives

The modified minor is available only to students pursuing the missions emphasis track of the Bible/Ministry major.

Pastoral Ministry emphasis (7 - 9 hrs)

CMIN 276 Homiletics (2 hrs)
At least two courses from the following:
CMIN 261 Introduction to Christian Education (2 hrs)
CMIN 265 Effective Christian Evangelism (2 hrs)
CMIN 365 Christian Worship (3 hrs)
CMIN 375 Narrative and Story-Telling (2 hrs)
CMIN 430 Servanthood in the Third Millennium (3 hrs)
PSYC 357 Introduction to the Theory and Practice of Counseling (3 hrs)
Seminars (BIBL 295 and 495) may be suitable pastoral ministry electives, depending on course content.

Youth Ministry emphasis (7 hrs)

CMIN 217 Foundation for Youth and Children's Ministry (3 hrs)
CMIN 261 Introduction to Christian Education (2 hrs)
CMIN 318 Materials and Methods of Youth Ministries (2 hrs)

Bible minor (18 hrs)

The Bible minor at Milligan College is intended to be strictly a study of scripture. It consists of six specific courses, equally divided between Old Testament and New Testament, and it includes the basic survey classes (Bible 123 and 124).

BIBL 123 Old Testament Survey and 124 New Testament Survey (6 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
3 additional hrs of Old Testament courses
6 additional hrs of New Testament courses

Course descriptions

BIBL 123. Old Testament Survey - An examination of the Old Testament, its content, background, and significance. Required of all students. Offered fall term each year. Three semester hours.

BIBL 124. New Testament Survey - A study of the New Testament, including a survey of its Jewish and Hellenistic backgrounds. Required of all students. Offered spring term each year. Three semester hours.

BIBL 201. Jesus in the Gospels - A study of the Gospels with the intent of showing their distinctive insights into the person and work of Christ. Required for the Bible/Ministry major. Prerequisite: BIBL 124. Offered fall term each year. Three semester hours.

BIBL 202. Acts - An analysis of the history, theology, and nature of the early church as seen in the Book of Acts. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered spring term each year. Three semester hours.

BIBL 211. Old Testament Images of God - An introduction to the character and actions of the Lord God of Israel as seen through the Old Testament. Required for the Bible/Ministry major. Prerequisite: BIBL 123. Offered fall term each year. Three semester hours.

BIBL 252. Biblical Archaeology - A study of the history and techniques of archaeology in the biblical world as a historical science together with a survey of Palestinian history as reconstructed by the latest archaeological evidence. The uses of archaeological data for biblical studies are emphasized. Satisfies the Old Testament elective in the Bible/Ministry major. Offered periodically. Three semester hours.

BIBL 275. Selected Topics in the History of the Reformation of the Nineteenth Century - An examination of the Stone-Campbell heritage including both primary and secondary readings intended to help students understand the church tradition (the "Restoration Movement") that is linked to the history of Milligan College. Students may not apply this course to a major in Bible or history. Same as HIST 275. Prerequisite: sophomore standing or consent of instructor. Offered spring term each year. One semester hour.

BIBL 295. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from year to year. Offered periodically. One to three semester hours.

BIBL 301. The Prophets - Exegetical studies in the books of the latter prophets. Attention will be given to the character and message of each prophet and book as seen against their social, political, and historical backgrounds. Satisfies the Old Testament elective in the Bible/Ministry major. Prerequisite: BIBL 123. Offered fall term alternate years. Three semester hours.

BIBL 304. Old Testament Historiography - Exegetical studies in the historiographical books of the Old Testament. Attention is given to the theological perspectives and historiographical methods that guided the composition of these books. Satisfies the Old Testament elective in the Bible/Ministry major. Prerequisite: BIBL 123. Offered fall term alternate years. Three semester hours.

BIBL 321. Prison Epistles - An exegetical study of Ephesians, Philippians, Colossians, and Philemon. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 322. Pastoral Epistles - An exegetical study of 1 and 2 Timothy and Titus. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 323. Christian Thought in the Greco-Roman World - A course of readings in various representatives of the Christian tradition from the second through the fifth century, including Origen, Tertullian, Cyprian, Athanasius, Ambrose, and Augustine in their historical contexts. Special attention is given to the contributions of these thinkers to the development of the Christian tradition. Same as HIST 323. Prerequisites: HUMN 101, 102, 201, and 202, or consent of the instructor. Satisfies the church history elective in the Bible/Ministry major. Offered periodically. Three semester hours.

BIBL 324. Johannine Literature - A study of the contents and themes of the Johannine Epistles and the Gospel of John. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 325. Apocalyptic Literature - A study of the Book of Revelation and other eschatological and apocalyptic passages in the context of Jewish apocalypticism. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 343. History of Biblical Interpretation - A survey of the history of hermeneutics and exegesis in the Christian tradition from the ancient through the modern periods. The course examines the various principles and methods adopted by theologians in their attempts to explain the meaning of the biblical text. Same as HIST 343. Prerequisites: BIBL 123 and 124, HUMN 101, 102, 201, and 202, or consent of the instructor. Satisfies the Old Testament elective in the Bible/Ministry major. Offered periodically. Three semester hours.

BIBL 351. The Pentateuch - Exegetical studies in the Pentateuch. Attention is given to major theological concepts and narrative artistry. Satisfies the Old Testament elective in the Bible/Ministry major. Prerequisite: BIBL 123. Offered fall term alternate years. Three semester hours.

BIBL 352. Old Testament Devotional and Wisdom Literature - Exegetical studies in the devotional and wisdom literature of the Old Testament. Attention is given to the theological, philosophical, and worship-related themes of these books. Satisfies the Old Testament elective in the Bible/Ministry major. Prerequisite: BIBL 123. Offered spring term alternate years. Three semester hours.

BIBL 380. Jesus in the Arts - An exploration of the creative images of Jesus throughout the centuries, drawing examples from the literary, dramatic, visual, musical, kinetic, and cinematic arts, seeking a deeper appreciation for the arts in the life of the church and for the impact of the image of Jesus in people's lives. Prereq-uisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 405. The Old Testament in the Church - An historical survey of the reception of the Old Testament as Christian scripture and challenges thereto. The study is based, as much as possible, on readings of primary texts from all periods of church history. Prerequisites: BIBL 123 and HUMN 201 and 202, or consent of the instructor. Satisfies the Old Testament elective in the Bible/Ministry major. Offered spring term alternate years. Three semester hours.

BIBL 411. I and II Corinthians - An historical, exegetical, and thematic study of I and II Corinthians. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 412. Romans and Galatians - An historical, exegetical, and thematic study of Romans and Galatians. Satisfies the New Testament elective in the Bible/Ministry major. Offered periodically. Three semester hours.

BIBL 422. Intertestamental Literature - A survey of the types of Jewish literature (e.g., apocryphal, pseudepigraphic, wisdom, apocalyptic) and their contents which were influential in the development of Judaism in the last two centuries BC and in the first century AD. Prerequisite: BIBL 123. Offered periodically. Three semester hours.

BIBL 452. General Epistles - A study of the contents and themes of non-Pauline letters, especially Hebrews, James, and 1 Peter. Satisfies the New Testament elective in the Bible/Ministry major. Prerequisite: BIBL 124. Offered periodically. Three semester hours.

BIBL 471. Christ and Culture - An examination of how contemporary Western cultures shape how Christians understand and embody their faith, and an exploration of how Christians might respond to these challenges. Required of all seniors. Prerequisites: BIBL 123 and 124. Offered every semester. Three semester hours.

BIBL 489. Directed Readings - A supervised program of readings that provides for study of material not included in the regular course offerings. One to three semester hours.

BIBL 490. Directed Studies - A program of readings and conferences that provides for individualized study. One to three semester hours.

BIBL 495. Seminar - A seminar designed to promote in-depth discussion, independent research, writing, and concentration in areas beyond regular course offerings. Topics vary from semester to semester. Offered periodically. One to three semester hours.

Biology

Area of Scientific Learning

The biology major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The biology curriculum is designed for the student planning a career in the biomedical sciences, education, research, and governmental services.

Graduates with a major in biology are expected to (1) demonstrate proficiency in a broad spectrum of life science disciplines; (2) demonstrate familiarity with information in chemistry; (3) be capable of critical thinking; (4) demonstrate skill in clearly communicating scientific information in the following: verbal format, written format, and computer-based technology.

No more than four hours credit in either BIOL 200 or 490 or a combined total of six hours in the three courses may be applied toward the requirements for a major in biology. Credit in 200 or 490 may not be applied toward a minor in biology.

Biology major - B.A. (24 hrs)

BIOL 110 General Biology or 111 Principles of Biology (4 hrs)
BIOL 112 Principles of Biology (4 hrs)
BIOL 202 Botany (4 hrs)
BIOL 210 Genetics (4 hrs)
BIOL electives (8 hrs)

Other required courses (16 - 18 hrs):
CHEM 151 Organic and Physiological Chemistry for Non-majors (4 hrs)
CHEM electives (8 hrs)
MATH 211 Calculus I (4 hrs) OR
MATH 111 College Algebra I and 112 College Algebra II and Trigonometry (6 hrs) OR
MATH 111 College Algebra I and 213 Statistics (6 hrs)
Foreign language through the intermediate level is required.

Biology major - B.S. (32 hrs)

for graduate study or preprofessional careers

Students who plan to pursue graduate study in biology or enter a medical field of study should choose this Bachelor of Science degree.
BIOL 111 and 112 Principles of Biology (8 hrs)
BIOL 202 Botany (4 hrs)
BIOL 210 Genetics (4 hrs)
BIOL 450 Cell and Molecular Biology (3 hrs)
BIOL 451 Research Seminar (1 hr)
BIOL electives (12 hrs)

Other required courses (33 - 35 hrs):
MATH 211 Calculus I (4 hrs) OR
MATH 111 College Algebra I and 112 College Algebra II and Trigonometry (6 hrs) OR
MATH 111 College Algebra I and 213 Statistics (6 hrs)
PHYS 203 and 204 General Physics/Calculus (8 hrs)

Chemistry minor:
CHEM 170 and 171 General Chemistry (8 hrs)
CHEM 301 and 302 Organic Chemistry (8 hrs)
CHEM 310 Biochemistry (5 hrs)

Biology major - B.S. (32 hours)

for allied health or middle grades licensure

Students preparing for application to allied health programs and for middle grades licensure should choose this degree.

BIOL 110 General Biology or 111 Principles of Biology (4 hrs)
BIOL 112 Principles of Biology (4 hrs)
BIOL 202 Botany (4 hrs)
BIOL 210 Genetics (4 hrs)
BIOL 250 and 251 Anatomy and Physiology OR 330 and 340 Comparative Vertebrate Anatomy and Animal Physiology (8 hrs)
BIOL 360 Ecology or 380 Microbiology and Immunology (4 hrs)
BIOL elective at 300 level or higher (4 hrs)

Other required courses (11 hrs):
CHEM electives (8 hrs)
MATH 213 Statistics (3 hrs)

Professional education and other courses for middle grades licensure (52 hrs):
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 306 Middle Grades Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods (3 hrs)
EDUC 426 Middle Grades Language Arts (3 hrs)
EDUC 453 Student Teaching: Middle Grades (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
ART 441 Fine Arts Methods (3 hrs)
BIOL 350 Science Methods (3 hrs)
ENGL 354 Children's Literature (3 hrs)
HIST 209 and 210 United States History Survey I and II (6 hrs)
HPXS 440 Health and P.E. Methods (3 hrs)
MATH 353 Math Methods (3 hrs)

After evaluation of the student's curriculum, the biology faculty may require additional courses in order to assure that the student will be adequately prepared to enter a chosen field of study.

Biology major - B.S. (32 hrs)

for secondary education licensure

This biology major with the Bachelor of Science degree leads to secondary education licensure.

BIOL 111 and 112 Principles of Biology (8 hrs)
BIOL 202 Botany (4 hrs)
BIOL 210 Genetics (4 hrs)
BIOL 360 Ecology (4 hrs)
BIOL 380 Microbiology and Immunology (4 hrs)
BIOL electives (8 hrs) from the following:
BIOL 250 Anatomy and Physiology
BIOL 251 Anatomy and Physiology
BIOL 330 Comparative Vertebrate Anatomy
BIOL 340 Animal Physiology

Other required courses (24 - 26 hrs):
MATH 211 Calculus I (4 hrs) OR
MATH 111 College Algebra I and 112 College Algebra II and Trigonometry (6 hrs) OR
MATH 111 College Algebra I and 213 Statistics (6 hrs)

Physical Science minor:
CHEM 151 Organic and Physiological Chemistry for Non-majors (4 hrs)
CHEM 170 and 171 General Chemistry (8 hrs)
PHYS 104 Earth and Space Science (4 hrs)
PHYS 203 General Physics/Calculus (4 hrs)

Biology minor (20 hrs)

BIOL 110 General Biology or 111 Principles of Biology (4 hrs)
BIOL 112 Principles of Biology (4 hrs)
BIOL 202 Botany (4 hrs)
BIOL electives (8 hrs)

Course descriptions

BIOL 110. General Biology - An introductory course that examines fundamental biological concepts of plants and animals with particular relevance to man's place in the living world. Offered fall term each year. Four semester hours.

BIOL 111-112. Principles of Biology - A two-semester course which introduces and integrates the principles of biology including the chemistry of life, cells, genetics, evolution, biological diversity, biology of plants, biology of animals, and ecology. The course is designed to stimulate critical thinking. Offered as a year sequence beginning with the fall term each year. Four hours each semester.

BIOL 202. Botany - An intensive survey of plants, algae, and fungi. Prerequisite: four hours of biology. Offered spring term each year. Four semester hours.

BIOL 210. Genetics - A study of fundamental principles of heredity with related statistics and probability. Prerequisite: eight hours of biology. Offered spring term each year. Four semester hours.

BIOL 200. Field Studies in Biology - An analysis of selected biological problems and/or in-depth study of unique ecosystems. Subject content varies according to selected topics. The course is conducted at an off-campus location, and the student may incur additional expenses for travel. A student may not accumulate more than four hours credit in this course. This course should not be used to satisfy college degree requirements in science except by permission of the science faculty chairman. Prerequisite: BIOL 110 or consent of instructors. Offered in the spring intersession each year. One to four semester hours.

BIOL 250-251. Anatomy and Physiology - A two-semester course designed to study the structure and function of the organ systems of humans. Prerequisite: BIOL 110 or 111 or consent of the instructor. Offered as a year sequence beginning with the fall term each year. Four hours each semester.

BIOL 330. Comparative Vertebrate Anatomy - A comparative study of the anatomic and phylogenetic development of the principal systems of selected classes of vertebrates. Prerequisites: BIOL 111-112 or consent of the instructor. Offered fall term each year. Four semester hours.

BIOL 340. Animal Physiology - A study of the function and structure of the organ system of vertebrates in general but with emphasis on mammals. Prerequisite: BIOL 330 or consent of the instructor. Offered spring term each year. Four semester hours.

BIOL 341. Animal Histology - A study of the microscopic anatomy of the various types of tissues and organs found in vertebrates. Prerequisite: eight hours of biology. Offered fall term alternate years. Four semester hours.

BIOL 342. Vertebrate Embryology - A study of the general principles of vertebrate development from the formation of gametes to the formation of tissues and organs. Prerequisite: consent of the instructor. Offered as needed. Four semester hours.

BIOL 350. Science Methods - An emphasis on the coordination of science content and teaching techniques for early childhood, elementary, and middle school teachers. Enrollment limited to students admitted to the professional level of the teacher education program. Prerequisites: BIOL 110 and PHYS 104 or the equivalent. Field experience included. Offered spring term each year. Three semester hours.

BIOL 360. Ecology - A study of the relation between organisms and their environment, factors affecting plant and animal structures, behavior and distribution, energy and material cycles, and populations. Prerequisite: four hours of biology. Offered fall term each year. Four semester hours.

BIOL 362. Vertebrate Field Biology - A survey of the native vertebrate animals with emphasis on collection, preservation, identification, and taxonomic relationships. Prerequisite: four hours of biology. Offered spring term each year. Four semester hours.

BIOL 380. Microbiology and Immunology - A basic course in the study of microbiology including the preparation of media, sterilization, the isolation of micro-organisms and their identification, culture, and staining. Topics covered in immunology will include definitions and relationships of antigens and antibodies, host-antigen interaction, bursal and thymic influences on lymphoid cells, and humoral and cellular response mechanisms. Prerequisite: consent of the instructor. Offered fall term each year. Four semester hours.

BIOL 430. Advanced Anatomy - A regional study of human anatomy with a majority of the class hours spent in cadaver dissection. Regions and emphasis may vary according to the needs of the students and availability of materials. Prerequisites: BIOL 250 and 251 or BIOL 330 or consent of the instructor. Offered as needed. Two to four semester hours.

BIOL 440. Endocrinology - A study of the structure and function of the endocrine glands with emphasis on their control and integration of biological processes. Prerequisite: consent of the instructor. Offered as needed. Four semester hours.

BIOL 450. Cell and Molecular Biology - A study of the structure and function of various organelles of the eukaryotic cell with an emphasis on gene structure, gene expression and its regulation, and modern molecular methodology. Taken concurrently with BIOL 451. Prerequisite: CHEM 310. Offered spring term each year. Three semester hours.

BIOL 451. Research Seminar - A seminar designed to introduce science majors to principles, politics, and methodology used in scientific research. A research paper and seminar emphasizing cell and molecular biology are required. Prerequisite: major or minor in biology; student must be registered concurrently in BIOL 450 Cell and Molecular Biology. Offered spring term each year. One semester hour.

BIOL 460. Neuroscience - A basic study of the anatomy and physiology of the human nervous system. Prerequisite: consent of instructor. Offered spring term alternate years. Four semester hours.

BIOL 490. Research Problem - Research on special problems in biology under direct supervision of a faculty member. Prerequisites: twenty hours of biology courses and consent of the biology faculty member to direct the research problem. Offering to be announced. One to four semester hours.

Business Administration

Area of Business

The business administration major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the social sciences, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through stewardship of resources and preparation for graduate studies and a rewarding career or profession.

The core courses in business administration provide students with the broad base of knowledge and level of technical competence necessary to succeed in a business setting. Core courses in management, marketing, business law, and ethics expose students to the fundamental principles of business administration while providing the preparation necessary to continue study in upper level courses. The main purpose of the courses in economics is to develop in the student the ability to analyze and understand economic principles and institutions from an historical as well as a contemporary point of view. These courses furnish the theoretical background necessary for the achievement of a particular vocational or professional goal. Core courses in accounting provide students the requisite knowledge for understanding the financial aspects of the business enterprise. All core courses, as well as those within each emphasis, constitute the academic basis for graduate study in business and related fields.

Graduates with a major in business administration are expected to: (1) Demonstrate knowledge of the business core that is sufficient to provide each student with a comprehensive understanding of the discipline's major functional areas. Likewise, students will possess the understanding necessary to successfully integrate the functional areas into a cohesive whole for the purpose of short and long-term decision-making. This body of knowledge will be sufficient for success in the workplace or in continued graduate studies; (2) Demonstrate knowledge in one or more areas of emphasis, providing students with the deeper understanding required for solving complex business problems including those faced under conditions of uncertainty; (3) Demonstrate knowledge of written and oral communication skills as well as the use of computer technology and mathematics sufficient to support the application of quantitative principles; and

(4) Exhibit the development of the leadership and management skills that are necessary for the successful planning, implementation, and control of the business enterprise, all rooted in a foundation of ethical and moral principles.

The major allows the student to complete a strong core curriculum in business, accounting, and economics and to choose from one of eight emphases, allowing for in-depth study in a specific field. A grade point average of 2.25 is required for the major. Students majoring in business administration with an accounting emphasis may not minor in accounting. Students majoring in business administration with an economics emphasis may not minor in economics. Students majoring in business administration with a health care administration emphasis may not minor in health care administration. Students majoring in business administration with a legal studies emphasis may not minor in legal studies.

Business Administration major - B.A. or B.S. (39-45 hrs)

Required core courses (30 hrs)

ACCT 211 and 212 Introductory Accounting I and II (6 hrs)
BADM 315 Marketing (3 hrs)
BADM 321 Business Law I (3 hrs)
BADM 361 Principles of Management (3 hrs)
BADM 421 Business Ethics (3 hrs)
BADM 470 Business Strategy (3 hrs)
ECON 201 Macroeconomic Principles and 202 Microeconomic Principles (6 hrs)
ECON 301 Corporate Finance (3 hrs)

The B.A. requires completion of a foreign language through the intermediate level.

Students must complete a math course at the 200 level or above, determined in conjunction with their adviser, to fulfill the general education math requirement. Completion of ECON 201 and 202 fulfills the social learning requirement in the general education requirements. Students must demonstrate fulfillment of the College's computer competency requirement by successful completion of CIS 275 or by examination.

Emphases

The following emphases are available within the business administration major. In addition to successful completion of the general core requirements, students are required to complete additional courses within each emphasis as described below.

Accounting (9 hrs)

The accounting emphasis enables business students to deepen their understanding of accounting concepts as they relate to the business organization. This emphasis is recommended for students anticipating business careers requiring accounting knowledge at an advanced level, yet short of requiring an accounting major. Required courses within the accounting emphasis:

ACCT 301 Intermediate Accounting I (3 hrs)
ACCT 302 Intermediate Accounting II (3 hrs)
ACCT 311 Cost Accounting (3 hrs)

Economics (9 hrs)

The economics emphasis provides students with a deeper exposure to economic principles and institutions from an historical and modern perspective. The emphasis is recommended as an alternative for students interested in careers in banking, finance, or economics.

Required courses within the economics emphasis:

ECON 401 Advanced Topics in Corporate Finance (3 hrs)
ECON 403 Money and Banking (3 hrs)
ECON 460 History of Economic Thought (3 hrs)

General (9 hrs)

The general emphasis allows students to select any nine hours of course work from economics, business administration, or accounting. This emphasis is generally intended for those selecting business administration as a second major and is available with adviser permission only.

Health Care Administration (15 hrs)

The health care administration emphasis is intended to prepare the student for an administrative career in the health care industry. In addition to required course work, students selecting this emphasis must complete six hours of internship credit by on-site, supervised work at a hospital, long-term care, or other medical facility. Required courses within the health care administration emphasis:

BADM 380 Intro to Health Care Administration (3 hrs)
BADM 480 Long-Term Care Administration (3 hrs)
BADM 481Policies and Issues in Health Care (3 hrs)
BADM 491 Internship (6 hrs)

International Business (12 hrs)

Students may select an emphasis in international business by participating in a ten-week academic program abroad through Milligan's affiliation with the International Business Institute (endorsed by the Council for Christian Colleges & Universities). Completion of this emphasis requires the student to attend the Institute during a summer session following completion of the required core courses at Milligan College. A student's course of study can often be designed so that graduation is possible following seven semesters of study at Milligan College in addition to the summer Institute. Students pursuing the international business emphasis are strongly encouraged to demonstrate competency in a foreign language through, at least, the intermediate level. Participation in the IBI includes the following required courses:

BADM 339 Global Marketing (3 hrs)
BADM 390 Global Business Management and Strategy (3 hrs)
ECON 331 Comparative Economic Systems (3 hrs)
ECON 350 International Trade and Finance (3 hrs)

Legal Studies (9 hrs)

The legal studies emphasis is designed to provide business administration majors a deeper understanding and exposure to legal issues affecting business. The emphasis is recommended for any business administration student who anticipates a business career requiring a legal background. Required courses for completion of the legal studies emphasis:

ACCT 411 or 412 Federal Income Taxation (3 hrs)
BADM 322 Business Law II (3 hrs)
LS 304 Global Political Economies (3 hrs)

Management (9 hrs)

The management emphasis consists of courses designed to prepare students for successful careers in business and organizational management or administration. Required courses for completion of the management emphasis:

BADM 362 Human Resource Management (3 hrs)
BADM 365 Operations Management (3 hrs)
BADM 364 or 375 Organizational Theory and Behavior or Small Business Management (3 hrs)

Marketing (9 hrs)

Students wishing to pursue careers in marketing, sales, or advertising should select the marketing emphasis. Required courses for completion of the marketing emphasis:

BADM 304 Advertising (3 hrs)
BADM 316 Cases in Marketing (3 hrs)
Public relations elective from communications (3 hrs)

Sports Management (12 hrs)

The sports management emphasis consists of courses designed to prepare students for successful careers in the growing field of sports management. Required courses for completion of the sports management emphasis:

HPXS 380 Sports Promotion, Finance, and Marketing (3 hrs)
HPXS 381 Sports Facilities and Management (3 hrs)
HPXS 404 Organization and Management of Physical Education and Sports (3 hrs)
HPXS 491Field Work (3 hrs)

Business Administration minor (21 hrs)

ACCT 211 Introductory Accounting I (3 hrs)
BADM 315 Marketing (3 hrs)
BADM 361 Principles of Management (3 hrs)
ECON 201 Macroeconomic Principles or 202 Microeconomic Principles (3 hrs)
CIS 275 Computer Applications (3 hrs)
Accounting, business administration, or economics electives at the junior and senior level (6 hrs)

Applied Finance and Accounting majors with a business administration or economics minor are required to take business, accounting, or economics electives in place of ECON 201 or 202 and/or ACCT 211.

Course descriptions

BADM 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. One to three semester hours.

BADM 304. Advertising - A study of the principles of advertising along with its function and aims in business. Attention is given to the economic and psychological principles involved. There is also a study of market analysis and its importance to the field of advertising. The mechanics of layout, media, and copy writing are considered. Offered spring term each year. Three semester hours.

BADM 311. Industrial and Public Relations - A study of the historical background of public relations and the analytical approach used to design a public relations program in for-profit and not-for-profit organizations. Emphasis is on case analysis. Prerequisite: ECON 202 or permission of the instructor. Three semester hours.

BADM 315. Marketing - A survey of marketing planning, buyer behavior, product strategy, distribution strategy, promotional strategy, and pricing strategy from a global perspective. Prerequisite: ECON 202. Offered fall term each year. Three semester hours.

BADM 315L. Computer Projects in Marketing - A computer applications laboratory focused on the major marketing decision areas using "what if" analysis. Must be taken with BADM 315. One semester hour.

BADM 316. Cases in Marketing - A study of the application of marketing principles to individual organizations through the use of case studies. Prerequisite: BADM 315. Offered spring term each year. Three semester hours.

BADM 321. Business Law I - A study of the legal system with an introduction to legal concepts in the areas of the American court system, criminal law, torts, strict liability, intellectual property, contracts, agency and business organizations. Emphasis is placed upon the application of these legal principles to commercial transactions. Offered fall rerm each year. Three semester hours.

BADM 322. Business Law II - A study of the Uniform Commercial Code with an introduction to the legal concepts in the areas of sales, negotiable instruments, and secured transactions. Additional topics include bankruptcy, insurance, and property law. Emphasis is placed upon the application of these legal principles to commercial transactions. Offered spring term each year. Three semester hours.

BADM 332. Management Information Systems - A study which integrates topics of management and organization theory, information and communication theory, and systems theory relevant to managing an organization's information resource with computer emphasis in system design. Prerequisite: CIS 275. Three semester hours.

BADM 339. Global Marketing - A focus on the theory and practice of contemporary global marketing management. The context or environment of international marketing is covered along with the task of marketing in a variety of national domestic markets with their distinct cultural settings. The course is divided into three major areas: overview of the global marketing environment, moving into international markers, and advanced international marketing management. Classroom instruction is complemented by case studies and projects. Offered summer term each year. Three semester hours.

BADM 361. Principles of Management - A study of the basic principles of management. Also considered are decision-making and the fundamental function of management, planning, organizing, actuating, controlling, and applying the process of management to selected areas. Studies of individual firms are discussed. Prerequisite: ECON 202. Offered every semester. Three semester hours.

BADM 362. Human Resource Management - A study of the principles and policies governing employer-employee relationships and a consideration of the problems and practices of hiring, supervising, and terminating workers. Prerequisite: ECON 201-202 or permission of the instructor. Offered spring term each year. Three semester hours.

BADM 364. Organizational Theory and Behavior - A course designed to describe organizational behavior theories and concepts in the context of current and emerging workplace realities. The course focuses on how knowledge management, self-leadership, network alliances, technology, and virtual teams are changing the way organizations are structured and operate in the 21st Century. Offered fall term alternate years. Three semester hours.

BADM 365. Operations Management - A course designed to provide the student with a broad conceptual framework for the management of operations in today's competitive, global environment. This course emphasizes the strategic importance of operations decisions and how all functions within an organization interrelate. Specific attention is placed on developing a competitive operations strategy, decision-making, TQM, process management, and the use of technology to create new products and improve processes. Using case analysis and simulations, students develop a deeper understanding of realistic business issues and learn to apply the

concepts presented in the text. Prerequisites: BADM 361 and ECON 201. Offered fall term each year. Three semester hours.

BADM 370. Personal Finance - An overview of personal and family financial planning with an emphasis on financial record keeping, planning spending, tax planning, consumer credit, making buying decisions, purchasing insurance, selecting investments, and retirement and estate planning. Offered spring term each year. Three semester hours.

BADM 375. Small Business Management - A study of the concepts and theories that will help the student create, manage, and gain profit from a small business. A computer simulation in which the students start and run their own small businesses is an integral part of the course. Prerequisite: BADM Administration 361. Offered fall term alternate years. Three semester hours.

BADM 380. Introduction to Health Care Administration - An introduction to various aspects of health care administration, including an overview of the health care delivery system in the United States and the various components and services within the health care industry. Guest lecturers from various health care agencies ptovide students with information about their professions. Offered spring tetm alternate years. Three semester hours.

BADM 385. Professional and Personal Development - A course designed to provide the student with an understanding of effective professional and personal behavior in an organization. The course focuses on understanding the behavior of workers and managers in an organizational environment, developing effective communication styles, working in a team environment, handling power and politics in an organization, understanding change, conflict and creativity, and developing and reaching personal goals. Using personal assessments, skill building exercises, and case analysis, students build the interpetsonal skills required for successful interaction within the business environment. Offered every term. Three semester hours.

BADM 390. Global Business Management and Strategy - A course designed to cover the major topics normally offered in a coutse in international business management and strategy as well as more in-depth coverage of such areas as international corporate finance, human resource management, and strategy. It also has a very important function of enabling the integration of field experiences, corporate visits, and presentations by guest faculty with the current theoretical developments and literature in this field. Offered summer term each year. Three semester hours.

BADM 421. Business Ethics - A study of theoretical and practical problems of moral conduct in the field of business. The course emphasizes both the philosophical foundations of ethical conduct and the practical problems encountered in the day-to-day conduct of business affairs. Much of the study of practical problems centers around actual case studies. Although there are no specific prerequisites, this course should generally be taken only after a number of other business administration courses have been completed. Offered every term. Three semestet hours.

BADM 470. Business Strategy - An integtated study of the functional areas of finance, marketing, and management with emphasis on case analysis, readings, and computer simulations. Prerequisites: BADM 315 and 361 and ECON 301. Offered spring term each year. Three semester hours.

BADM 480. Long-Term Care Administration - A study of the principles and applications of long-term care administration, including general management, environmental management, patient care, personnel management, and government regulations. Offered fall term alternate years. Three semester hours.

BADM 481. Policies and Issues in Health Care - A focus on the application of analytical skills of policy formation in the health professions. The course focuses on analyzing the processes in the design, adoption, implementation, and evaluation of current health policy. Recent political and ethical issues relating to health care policy are examined. Offered spring term alternate years. Three semester hours.

BADM 491. Internship - A practicum experience which involves the student in a position in business under adequate supervision for the joint purposes of learning about business and possible occupational choices. Prerequisite: consent of major professor. One to six semester hours.

BADM 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Business: Master of Business Administration (M.B.A.)

Area of Business

The Master of Business Administration prepares students for roles of leadership in business. Students' knowledge of the major functional areas within business is reinforced while a commitment to Christian values and ethical conduct prepares students to meet the challenges of a highly competitive business environment with integrity and character. The combination of weekend class meetings and distance-based components is well suited for mature, working students.

The Master of Business Administration program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the social sciences, and to understand a significant body of material in their major field of study.

- Students will gain an enriched quality of life through stewardship of resources and preparation for graduate studies and a rewarding career or profession.

The following outcomes are expected to have been achieved upon completion of the curriculum and have been developed in support of the College's overall mission and vision as a Christian, liberal arts college. By the time of graduation from the program students should be able to: (1) Acquire, integrate, and apply the body of knowledge that is found within the major functional areas, which include: marketing; management; finance; economics; strategic analysis, planning, and implementation; information rechnology; and quantitative analysis; (2) Communicate effectively both orally and in writing including the use of computer technology as a communications tool; (3) Demonstrate the application of sound ethical, socially responsible, and moral principles in business decision-making and to integrate one's faith and work; (4) Apply the leadership and management skills that are necessary for the successful planning, implementation, and control of the business enterprise, both domestically and globally.

Financial information

Graduate tuition is $375 per semester hour for the 2003-2004 academic year. A non-refundable $30 application fee is required with the application. Applicants who are accepted in the program are required to pay a $300 deposit by the deadline stated in their letter of acceptance. The deposit reserves a place in the cohort. Student will be required to pay a $20 lifetime transcript fee their first semester. There are no other mandatory or course fees for this program.

Students must make appropriate payment arrangements with the Business Office prior to the start of classes. Please refer to the Financial Information section of the catalog for payment and refund information.

Financial Aid is available. Students should refer to the Financial Aid section of the catalog for information regarding general eligibility requirements, programs available for students enrolled in graduate programs, award criteria for the programs available, etc. Any questions students may have regarding financial aid may be addressed by contacting the Financial Aid Office, 800-447-4880.

Laptop computer

Students enrolling in the program are issued a laptop computer that meets the minimum technical and software requirements as defined by the College's Information Technology Department.

Students are required to sign a formal agreement at the beginning of the program stating that:

- The computer becomes the property of the student upon issuance.
- The College maintains a security interest in the computer until the program is completed and all financial obligations to the College are satisfied.
- The computer will be returned to the College should the student withdraw from or be dismissed from the program. If the laptop is not returned, the student will be assessed a prorated fee.

Library

The P.H. Welshimer Memorial Library stands in the center of Milligan's campus and houses all of the general collections. The library currently holds over 77,500 volumes in its circulating collection (2,820 are dedicated to business). There are over 15,700 print journal volumes in its reference collection. The College currently subscribes to approximately 500 journals in print media (including the Academy of Management Journal, American Economic Review, Harvard Business Review, Journal of Accountancy, Management Review, and many others), and an additional 5,800 journals in electronic subscriptions. In addition to the volumes in the library, the College has a lending and usage agreement with Emmanuel School of Religion. Milligan is also a member of the Holston Associated Libraries, a consortium of six colleges and two public libraries that provide an enlarged circulating collection by reciprocal loan agreements.

Admission requirements

The minimum requirements for admission to the M.B.A. program include:

1. An undergraduate degree with an overall grade point average of 2.75.
2. Completed application, including writing sample essays that demonstrate the applicant's ability to communicate effectively in writing.
3. Two professional recommendations that support the applicant's character and ability ro do graduate work.
4. At least two years work experience in a managerial or administrative position of responsibility.
5. Acceptable GMAT score.
6. Course work or demonstrated competency in accounting principles, principles of macro and microeconomics, management, marketing, computer applications, statistics and/or calculus.
7. Possible interview with members of the admissions committee.

The admissions committee meets periodically throughout the year to evaluate applications. Applicants are encouraged to contact the Director of Graduate Admissions for upcoming deadlines relative to admission.

The admissions committee evaluates applicants on the overall merit of all admissions criteria. Therefore, minimum GPAs, GMAT scores, and other application requirements are not absolute. The committee allows weaknesses in one area to be compensated by strengths in others. The overall intent is to admit students who the admissions committee believes will contribute effectively to the overall cohort and who are considered to have high potential for success in an executive-model graduate program.

Unconditional acceptance

Applicants who meet all admissions criteria are admitted unconditionally to the M.B.A. program, based upon space availability. If space is not available in the requested cohort, the applicant is placed on a waiting list or, alternatively, admitted to the next scheduled cohort.

Provisional acceptance

Students may be admitted to the M.B.A. program with one or more of the prerequisite requirements not met. Admission is made on an individual basis by the M.B.A. admissions committee and is based, in part, on the student's potential fot success in the program.

The admissions committee designates provisional status for a specified time. Its duration is contingent upon the nature of the unmet prerequisite and is communicated directly to the applicant by the admissions committee.

Academic probation and retention standards

Retention in the M.B.A. program is based upon academic performance and adherence to the College's code of academic integrity. Specific standards include but are not limited to:

1. The student must maintain a cumulative grade point average of "B" (3.0 - computed at the conclusion of each semester) or the student is placed on academic probation. Under academic probation, the student has until the end of that semester to raise their cumulative GPA to at least 3.0.
2. Failure to be removed from academic probation after one semester may result in dismissal from the program.
3. The student must adhere to a high level of academic integrity, which includes, but is not limited to, completion of one's own work, refraining from plagiarism or the failure to use proper citation procedures. Failure to adhere to this level of academic integrity can result in dismissal from the program.

Temporary withdrawal and readmission

Because of the nature of the program, students are encouraged to maintain continuous enrollment after beginning classes. Realizing that extenuating circumstances may occur that require a student to withdraw temporarily from the program, there is a provision for one such withdrawal. In order to be readmitted, students must have the approval of their adviser. Students must request readmission within three years of withdrawing. Readmission is granted pending space availability at the appropriate point in a subsequent cohort. Graduation requirements in effect at the time of readmission will apply.

Grade requirements for graduation

Students must achieve a cumulative grade point average of "B" (3.0) to graduate from the M.B.A. program.

Curriculum and course sequence

The program is a 40-credit hour degree delivered over approximately 18 months, divided into four semesters. Classes meet one weekend each month and are supported by extensive internet-based contact with fellow students and with faculty in the period between class sessions. The program is cohort-based, with two new cohorts beginning each year. Contact the Director of Graduate Admissions for current schedules. The program model, incorporating periods of intensive class-time together with independent, distance-based work, is well suited for mature, working students.

The curriculum leads students through a continuum of course work in which courses are grouped thematically into four semesters.

Semester One: Understanding the Global Environment of Business

The program begins by developing an understanding of the global environment of commerce. The courses in Semester One assist students in assessing and understanding the global forces affecting businesses today.

BADM 510 - Global Commerce and Economics (3 hrs)
BADM 513 - Strategic Management - External Analysis (3 hrs)
BADM 516 - Strategic and Global Marketing (3 hrs)

Semester Two: Stewardship and Resource Management

Semester Two of the M.B.A. program focuses the student's attention inward, toward effective and efficient utilization of corporate resources, with an emphasis on the quantitative methods required for good stewardship and resource management.

CIS 520 - Information Management (2 hrs)
BADM 522 - Quantitative Methods for Management (2 hrs)
ECON 523 - Managerial Economics (2 hrs)
ECON 526 - Managerial Finance (3 hrs)

Semester Three: Management and Leadership

Attention turns during Semester Three toward management and leadership issues, emphasizing the role of management in leading and creating an environment conducive to organizational and personal success.

BADM 530 - Management and Leadership (3 hrs)
BADM 533 - Organizational Theory and Communication (3 hrs)
BADM 535 - Managing Human Resources (3 hrs)

Semester Four:
Social Responsibility and Strategic Management

The Milligan College M.B.A. concludes with Semester Four, designed to return the student's attention toward ways in which a business is an influence upon its external environment, while also being influenced by it. Examination of the Biblical foundations of commerce and management enables students to understand better the importance of Christian leadership and influence in business. Courses explore social responsibility and strategic management. Through practical application, students build the knowledge base required to be effective strategic managers who understand the moral and ethical implications of assuming leadership roles.

BADM 540 - Biblical Principles for Commerce and Management (3 hrs)
BADM 543 - Strategic Management - Application (3 hrs)
BADM 545 - Strategic Management - Project (3 hrs)

Ongoing courses

Throughout the program, two ongoing threads, legal issues in business and ethical issues in business, are addressed. Rather than segregate these courses into one point within the program, they are presented in an ongoing format, allowing each to be discussed where appropriate throughout the program. Semesters One and Three contain special emphasis on various aspects of the legal environment of business, while Semesters Two and Four contain special emphasis on the ethical issues of business.

BADM 548 A, B - Legal Issues in Business I, II (1 hr each semester; 2 hrs total)
BADM 550 A, B - Ethical Issues in Business I, II (1 hr each semester; 2 hrs total)

Course descriptions

BADM 510. Global Commerce and Economics - A course focused on the complex and dynamic global environment of commerce and economics and those issues necessary to understand the implications of economic globalization upon the business enterprise. Topics such as international trade and exchange, the impact of political, social, and cultural differences upon a business, the growing influence of market unification, as well as the pros and cons of free vs. constrained international trade are studied. The significance of globalization from a Christian perspective is examined. Three semester hours.

BADM 513. Strategic Management - External Analysis - An examination of the influence of global, remote, and industrial environmental characteristics upon policy-making and administration of organizations. Emphasis is placed upon the gathering and analysis of information from a wide variety of sources dealing with external factors such as political, economic, social, ethical, and cultural issues affecting the business enterprise. This first phase of strategic management is later considered against an internal analysis of the business firm's strengths and weaknesses. The strategic management process is completed during the "Strategic Management - Application" course. Three semester hours.

BADM 516. Strategic and Global Marketing - An examination of the use of scientific methods in the formulation and solution of marketing management problems. Emphasis is on the use of marketing research as a critical component of the marketing strategy and policy formulation process. This course presents methods and techniques used in planning, collection, processing, and utilization of marketing information. Research design, sources of information, questionnaire design, sampling, data collection, and data analysis are examined through case studies and individual and group projects. Three semester hours.

BADM 522. Quantitative Methods for Management - A focus on the analysis of information gathered both internally and externally. Topics addressed include both the statistical analysis used in the decision-making processes at the managerial level, such as regression analysis, modeling, and forecasting, as well as the calculus techniques required in managerial economics. Two semester hours.

BADM 530. Management and Leadership - An examination of current issues in leadership and appropriate strategies for implementing planned change. The course integrates materials from both micro and macro approaches to leadership and looks at the differences between managers and leaders, the leader-member exchange process, the leader's role in setting the strategic direction of an organization, and the ethical, moral, and professional issues of leadership with emphasis on developing a biblical foundation of leadership. Three semester hours.

BADM 533. Organizational Theory and Communication - A study of the interaction of individuals and groups within organizations and the importance of communication within today's complex organizations. Topics include qualitative and quantitative assessment of various organizational structures, the behavior and interaction of individuals, small groups, and their leaders in organizations with primary emphasis on communication and the role of values and ethics within organizations. Human behavior in organizations is examined through case studies, group research projects, and individual analysis of behavior in groups. Three semester hours.

BADM 535. Managing Human Resources - An examination of human resource management in depth and a strategic overview of the essential knowledge required to manage a firm's human resources effectively including both interpersonal and quantitative skills. It explores human resources within various structures and with diffetent job, skill, and behavioral requirements. Emphasis is given to the ethical behavior by managers as they enforce standards throughout the organization and the strategic integration of human resource functions within the context of a firm's task environment. Three semester hours.

BADM 540. Biblical Principles for Commerce and Management - A course in which the student is expected to develop a Christian worldview as it relates to leadership in business. This course seeks to answer the question, "Is there a place for Christians in business?" The role of calling and spiritual formation in the life of the leader and the profession, organization, and society is examined from a biblical basis. Three semester hours.

BADM 543. Strategic Management - Application - An examination of policy-making and administration of organizations from a general management point of view. It is intended to integrate and build upon the work of the core curriculum by emphasizing both quantitative and qualitative problem analysis, the process of making ethical and strategic decisions, administration and control, and continuous reappraisal of policies and objectives. Specific emphasis is placed on developing and implementing a strategic plan, building competitiveness through organizational capability, leadership and change management, and leveraging short-term performance through effective organizational leadership. Case studies emphasize the linkages between theory and practice. Three semester hours.

BADM 545. Strategic Management - Project - A course allowing students to apply the theoretical knowledge and quantitative and analytical skills acquired in the core curriculum. It provides an opportunity for the students to complete an applied project based on a management problem or issue. Students may choose either a case study project that analyzes a real-world management problem or a project that undertakes the investigation of a particular problem or issue within a real organization. This

project is under the supervision of faculty of the Business Area and the deliverable of the course is a written analysis/report and a presentation to Business Faculty and the external Business Advisory Panel. Three semester hours.

BADM 548A, B. Legal Issues of Business I, II - An examination of the legal environment and issues related to the practice of business. Students explore legal and regulatory environmental variables and how they affect the process of management, decision-making, and strategy formulation within the firm. One semester hour each semester; two semester hours total.

BADM 550A, B. Ethical Issues of Business I, II - An examination of the moral, ethical, social, and spiritual aspects of the practice of business. Students explore the relationship between Christianity and commerce and the role of character in leadership and ethical decision-making. One semester hout each semester; two semester hours total.

CIS 520. Information Management - A focus on the management of information technology assets within an organization. The role of the manager in assessing, implementing, and controlling information technology and the handling of information is emphasized. Two semester hours.

ECON 523. Managerial Economics - An extension of the study of microeconomics by emphasizing the application of calculus based constrained optimization techniques to common problems faced in the management of the typical business enterprise. Problems of price determination, output level, use of alternative productive resources, and other managerial decisions are examined. The use of Managerial Economics as a tool for better stewardship of resources is emphasized. Two semestet hours.

ECON 526. Managerial Finance - An exploration of the theory and essential tools of financial forecasting, capital budgeting, leverage, valuation, cost of capital, capital acquisition, asset/liability management, and capital markets. The role of finance and financial analysis as a primary means of increasing the value of the firm is emphasized. The relationship between ethical decision-making, profitability, and long-term shareholder wealth is examined. Three semester hours.

Business Administration: Adult Degree Completion Program (ADCP)

Area of Business

Milligan College offers an adult degree completion program with a major in business administration. This major is designed for adults who have completed sixty or more semester hours of college credit and two or more years of full-time work experience. Degree candidates must also complete the College's general education core of humanities, social and behavioral sciences, natural sciences, and Bible as well as an appropriate number of elective courses. Inquiries are addressed to the Adult Education Office at 423.461.8782.

The adult degree completion program in business administration supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.

- Students will gain an enriched quality of life through stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The business administration curriculum is designed for the career-oriented adult who intends to assume a professional role in society as a leader of business activities. Students are prepared for a career in business and industry as well as the not-for-profit sector. The study of business administration also contributes to the application of business principles in daily life.

ADCP Graduates who complete the business administration major are expected to: (1) Demonstrate knowledge of the business core that is sufficient to provide each student with a comprehensive understanding of the discipline's major functional areas. Likewise, students will possess the requisite understanding necessary to integrate successfully the functional areas into a cohesive whole for the purpose of short and long-term decision-making. This body of knowledge will be sufficient for success in the workplace or in continued graduate studies; (2) Demonstrate knowledge of written and oral communication skills as well as the use of computer technology and mathematics sufficient to support the application of quantitative principles; (3) Exhibit the development of the leadership and management skills that are necessary for the successful planning, implementation, and control of the business enterprise, all rooted in a foundation of ethical and moral principles.

Business Administration major - B.S. (48 hrs)

ACCT 320 Accounting for Managerial Decision Making (4 hrs)
BADM 315B Principles of Marketing (3 hrs)
BADM 323 Business Law (4 hrs)
BADM 362B Human Resources Management (3 hrs)
BADM 375B Small Business Management (4 hrs)
BADM 385B Professional and Personal Development (2 hrs)
BADM 401 Principles of Management and Supervision (3 hrs)

BADM 470B Business Strategy (4 hrs)
BIBL 471B Christ and Culture (3 hrs)
CIS 275B Computer Applications (4 hrs)
ECON 201B Macroeconomic Principles (3 hrs)
ECON 202B Microeconomic Principles (3 hrs)
ECON 301B Corporate Finance (4 hrs)
MATH 213B Business Statistics (4 hrs)

Completing the major takes approximately 18 months. Completion of the degree is dependent upon the outstanding degree requirements. Therefore, the time necessary to complete the degree can be better identified after the degree plan is filed (prior to admittance into the major).

Admission criteria

1. Completion of sixty or more semester hours from accredited college(s), confirmed by official transcripts
2. Two years of documented full-time employment or its part-time equivalent
3. Good standing at previously attended institutions with a cumulative GPA of 2.0 (on 4.0 scale)
4. Submission of two positive references-one character and one employer
5. Acceptance of the lifestyle statement as evidenced by completing and signing the application form
6. Payment of the non-refundable application fee (thirty dollars)

Enrollment deposit

If a group reaches its maximum size and additional applicants wish to enroll, enrollment deposits of $100 (which apply toward tuition costs for the first term) are assessed. Confirmed admission to the group is granted on the date the enrollment deposit is received in the Adult Education Office. Enrollment deposits are accepted on a space-available basis and will not be accepted after the maximum number of students has paid a deposit. Students who pay a deposit and fail to begin classes for any reason can have their enrollment deposit rolled forward to the next group. If the student fails to enroll in that second group, the enrollment deposit becomes an administrative fee paid to the College. If the College denies admission for any reason, the enrollment deposit is refunded to the student.

Probationary admission

The Admissions Committee has the option of admitting on academic probation any student with a cumulative GPA slightly below 2.0. Probationary status continues until the 2.0 is achieved. Failure to achieve the minimum grade point average by the end of the term may result in dismissal.

Returning ADCP students

A student who has withdrawn in good social and academic standing should address a letter to the director of adult education requesting permission for readmission. A student who has been academically or socially dismissed may reapply for readmission by observing the following procedure:

1. The student's letter requesting readmission shall be addressed to the director of adult education.
2. The director will examine, in consultation with the registrar, the student's original academic records and any courses completed since the suspension.
3. Social dismissal is reviewed with the vice president for student development.
4. If there is reason to believe that the student will profit from another opportunity to do college work, he/she will be permitted to enroll with probationary status following at least one ADCP term out of class.
5. In the event that it is necessary to suspend the student a second time, he or she will not be eligible to apply for readmission.

Second bachelor's degree

A student who holds the bachelor's degree in another field may elect to earn a second bachelor's degree in order to have a major in business administration. Students seeking a second degree must complete all forty-eight semester hours in the major at Milligan College and meet all the College's general education requirements (see General Education Requirements). Students who seek a second bachelor's degree may be eligible for financial aid. Questions regarding financial aid for a second degree are directed to the Financial Aid Office.

Tuition and fees

Application Fee (non-refundable)	$30.
Total Tuition ($260 per semester hour)	$12,480.
First Term	$3,120.
Second Term	$3,120.
Third Term	$3,120.
Fourth Term	$3,120.
Graduation Fee (added to Fourth Term Tuition)	$35.
*Posting Fee (per semester hour)	$10.
Technology Access Fee (per term)	$87.

*Credit earned through military training, credit by examination (includes CLEP and DANTES), and any other non-traditional assessment carries a $10 per credit posting fee. Additional fees may be charged by the testing organization.

Students who must complete courses in addition to the major may register for additional courses at Milligan College. Tuition charges are based upon the current rate multiplied by the number of semester hours credit attached to the course(s).

Students whose accounts are placed on hold by the student accounts director due to lack of sufficient payment will not be able to register. Students who are not registered may not attend class or earn a grade. Those students must contact the director of student accounts to work out a payment arrangement before continuing in classes.

Tuition reimbursement

All students who use tuition reimbursement from their employer to pay their tuition must present two documents to the Student Accounts Director prior to or at registration: a letter from the employer stating the company's reimbursement policy and a deposit check of $627. This deposit covers the tuition for the first course ($520), the technology fee for the first term ($87), and the lifetime transcript fee ($20).

Students must pay for each course before a receipt for tuition can be issued.

A statement is provided to the employee-student at the end of every course. This statement is designed to aid the student with the reimbursement process through the employer.

Students must complete payment for a course by the end of the course. If a student falls behind in paying tuition, the student must pay the tuition and settle any questions regarding tuition reimbursement with the employer. Tuition is the responsibility of the student, not the employer.

Institutional scholarships

Institutional scholarships are available only to students who pursue majors other than the ADCP business administration major. ADCP students are eligible to apply for state and federal tuition assistance programs, for employer reimbursement when applicable, and any other scholarship programs.

Degree requirements

The student who completes the Bachelor of Science degree with a major in business administration must meet all general education requirements (GER). Students are not required to complete a minor; elective hours can constitute the balance of the degree. The degree requirements are as follows:

1. Successful completion of 128 semester hours
2. Successful completion at Milligan College of the forty-eight semester hours in the business administration major (Minimum GPA in the major is 2.25)
3. A cumulative grade point average of 2.0 on all work (4.0 scale)
4. Successful completion of the general education requirements
5. Completion of the senior examination

General education requirements (GER)

Some general education requirements (GER) are met in the ADCP business administration major. Students who choose to complete a second major are not required to complete any additional GER. General education requirements are graduation requirements and, thus, are not an admission factor.

Withdrawals (intentional and unintentional)

Students intentionally withdraw when they complete the appropriate paperwork to withdraw from a course or from the College. Unintentional withdrawal occurs when the student stops attending class and/or fails officially to withdraw. Unintentional withdrawal is a decision that has serious consequences regarding both academics and financial aid. The accumulation of significant tardiness/absence in a course, for any reason, can result in unintentional withdrawal. Unintentional withdrawal can result in a final course grade of "F."

The deadline to withdraw officially from an ADCP course with a grade of "W" is prorated for the specific length of the class as follows:

Class Length	Deadline for Withdrawal
Three weeks	End of 2nd class
Four weeks	End of 3rd class
Five weeks	End of 4th class
Six weeks	End of 4th class

Students intentionally withdrawing from classes receive "Ws." The grade of "F" is recorded for a student who withdraws (intentionally or unintentionally) after the withdrawal date. Students who choose to withdraw from a course must notify the Adult Education Office. A staff member from that office will complete the appropriate paperwork to affect the withdrawal. Students may not withdraw from class to avoid a failing grade in a course.

Administrative withdrawal can occur when a student fails to meet the prerequisite(s) for a particular course, or when a student fails to attend the first two class meetings. However, the College is not obligated to provide administrative withdrawal, as it is the student's responsibility to manage attendance and registration.

Students who determine that it is necessary to withdraw from the major must notify the Adult Education Office with written rationale regarding the decision. The Adult Education Office attaches that written request to a withdrawal form that is routed to the appropriate College offices.

Any refund of tuition or fees in case of withdrawal is governed by the refund policy in the finances section. The registrar makes any exceptions to stated academic withdrawal policy.

Students receiving financial aid who choose to withdraw or who unintentionally withdraw from a course or from the major must understand that their decision can have significant consequences related to financial aid.

Failing grades/incomplete

A student who fails a course (grade of "F") can be permitted to continue with the same group in subsequent courses for the term so long as the course failed is not a prerequisite to the following course. However, the course in which the failing grade was earned must be repeated successfully prior to graduation; a 2.25 cumulative GPA is required in the major for graduation. (See also "Probation and Dismissal" below.) In instances of serious personal emergency, a student may be unable to complete all the requirements in a particular course by the appointed date(s). In such cases, the student must continue to attend class and must contact the instructor to request that an Incomplete ("I" grade) be granted. The student must resolve the "I" within six weeks of the course's final meeting through continuing work with the instructor. Only under extraordinary circumstances can the student apply for an incomplete grade and the six-week extension to resolve the "incomplete" grade. Students are reminded to make every effort to avoid "I" grades that are recorded on the transcript.

Repeating courses

Any student who must or wishes to repeat a course may do so on a space-available basis. Tuition is paid for any repeated courses at the current tuition rate for the group with which the student will meet for that repeated course.

Course attendance

Because of the concentrated scheduling and the emphasis upon participatory learning, students need to attend every class meeting. Please note that the emphasis is on attendance in a course. Students are expected to arrive on time for each class session. Attendance has a positive effect upon the learning that occurs in any course, but attendance is particularly important in condensed courses. Although emergencies may cause a student to be late for class or actually to miss an entire session, such situations should be the exception rather than the rule. When an emergency requires tardiness or absence, it is the student's responsibility to contact the instructor about missed assignments and class content. Making arrangements with a classmate to receive copies of class notes or a tape of the class can be useful but cannot equal attending class. Excessive absence can result in unintentional withdrawal and/or failure of the course.

Calendar and student load

Students enroll in major courses to total twelve semester hours each term. It is recommended that the student not enroll in any additional courses outside the major. However, those students who conclude that additional course work is prudent may take non-major courses if the student has the prior written consent of both the director of adult education and associate registrar. Written consent is obtained when a Course Approval Form, available in the Adult Education Office, is completed. If the student fails to obtain written consent for non-major courses, Milligan College is not committed to apply those hours toward degree requirements. Although completion of all degree requirements is ultimately the responsibility of the student, this procedure supports accurate academic advising.

Probation and dismissal

A student who fails to receive a 2.0 grade point average (GPA) during any period of enrollment at Milligan or who fails to have a 2.0 cumulative GPA at any time is placed on academic probation or dismissed. The student's behavior and attitude exhibited toward academic pursuit are factors in determining probation or dismissal. If a student fails to achieve a cumulative GPA of 2.0 by the end of the term in which the student is currently enrolled, the College is not obligated to grant the privilege of further study at Milligan College.

Commencement and baccalaureate

Degree candidates are encouraged to participate in commencement ceremonies; ceremonies are conducted in May, August, and December each year. Candidates for a degree are identified through their completion of the "Intent to Graduate" form. Degree candidates must have met all degree requirements and the student's account must be paid in full prior to commencement. Arrangements must be completed as early as possible through the Registrar's Office, the Adult Education Office, and the Business Office.

Course descriptions

ACCT 320. Accounting for Managerial Decision Making - A focus on the meaningful comprehension of accounting fundamentals through an analysis of the relationships between accounting events and financial statements. Topics include: cash flows, financial statement analysis, budgeting, and standards. Offered Term Two. Four semester hours.

BADM 315B. Principles of Marketing - A survey of marketing principles and problems and a detailed analysis of markets, market prices, and marketing agents. Consideration is given to the struggle among the various agencies for the control of the market. Offered Term Three. Three semester hours.

BADM 323. Business Law - A study of the legal system with an introduction to legal concepts as they relate to commercial transactions. The course also includes an examination of different business organizations and legislation that regulates and affects such businesses. Offered Term Four. Four semester hours.

BADM 362B. Human Resources Management - A study of the principles and policies governing employer-employee relationships and a consideration of the problems and practices of hiring, supervising, and terminating workers. Offered Term Three. Three semester hours.

BADM 375B. Small Business Management - A study of the concepts and theories that will help the student create, manage, and gain profit from a small business. Emphasis is upon those aspects of management uniquely important to small firms. Case studies and a research paper are significant parts of this study that partners theory with student experience in business and industry. Offered Term Four. Four semester hours.

BADM 385B. Professional and Personal Development - A study of effective professional and personal behavior. The course focuses on the behavior of workers and managers in an organizational environment. Behaviors conducive to effective communication, uses of organizational power and politics, dealing with change, and reaching personal goals are explored. Assessment and skill building exercises are used to enhance student's progress toward career advancement opportunities. Offered Term One. Two semester hours.

BADM 401. Principles of Management and Supervision - An examination of leadership styles and motivational theory as applied to the management and supervision of people in business and institutional communities. Negotiations and arbitration are included in this focus. Offered Term Three. Three semester hours.

BADM 470B. Business Strategy - An integrated study of the functional areas of finance, marketing, and management through a series of readings, lectures, and case analyses. This study of corporate and business level policy and strategy making is developed using a top management perspective. A comprehensive final project requiring significant research and case analysis is presented at the conclusion of the course. Prerequisites: BADM 315B, 401B, and ECON 301B. It is strongly suggested that students complete all other courses in the major prior to Business Strategy as this capstone course integrates the entire curriculum. Offered Term Four. Four semester hours.

BIBL 471B. Christ and Culture - A study of the impact of the Christian faith as found in the New Testament upon contemporary Western culture. Some attention is given to conflicting ideologies expressed in literature, art, music, and media in the light of a biblical world. Prerequisites: BIBL 123 and 124. Offered Term Three. Three semester hours.

CIS 275B. Computer Applications - A study of the Windows environment and current Windows applications. "Hands-on" experience with word processing, spreadsheet, relational database, and presentation software emphasizes their utilization in a business environment. A student portfolio consisting of documents produced in each application is a significant course project. Offered Term One. Four semester hours.

ECON 201B. Macroeconomic Principles - A study of demand and supply, private and public economic sectors, national income accounting, theories of employment, business cycles, and economic growth. Offered Term One. Three semester hours.

ECON 202B. Microeconomic Principles - A study of economic decision-making at an individual consumer and firm level. Particular attention is paid to the theories of consumer and firm behavior as well as the demand for and efficient utilization of resources. Offered Term One. Three semester hours.

ECON 301B. Corporate Finance - A study of the basic financial structure of the corporate type of business enterprise. Emphasis is given to the various methods of financing and to the role that management plays in determining financial policy. Prerequisite: ACCT 320. Offered Term Two. Four semester hours.

MATH 213B. Business Statistics - A study of data analysis and statistical inference as well as various statistical methods applied to topics in business administration. Emphasis is placed upon the use of statistical inference to reduce the impact of limited information from which business people must draw conclusions and make decisions. Topics include descriptive statistical measures, probability, random samples, skewness, random variables, analysis of variance, correlation, and regression. Twelve certifications in statistical exercises and a group project assist students in achieving course objectives. Offered Term Two. Four semester hours.

Chemistry

Area of Scientific Learning

The chemistry major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The chemistry curriculum is designed for the student planning a career in industry, research, engineering, teaching, or the biological sciences. It also contributes to the application of this science to daily life.

Graduates with a major in chemistry are expected to (1) demonstrate skills in laboratory practices and instrumental techniques; (2) be capable of interpreting, evaluating, and clearly communicating scientific information in verbal format, written format, and/or computer-based technology; (3) be familiar with basic information contained in physics and mathematics or biology and physics or physics and mathematics; (4) demonstrate proficiency in three or more of the four major branches of chemistry (inorganic, organic, analytical, and physical).

Chemistry major - B.A. (24 hours)

CHEM 170 and 171 General Chemistry (8 hrs)
CHEM 202 Quantitative Analysis (4 hrs)
CHEM 301 and 302 Organic Chemistry (8 hrs)
Chemistry elective excluding CHEM 150 Survey of General Chemistry and 151 Organic and Physiological Chemistry for Non-Majors (4 hrs)

Other required courses (12 - 14 hrs):
MATH 211 Calculus I (4 hrs) OR
MATH 111 College Algebra I and 112 College Algebra II and Trigonometry (6 hrs) OR
MATH 111 College Algebra I and 213 Statistics (6 hrs)
PHYS 203 and 204 General Physics/Calculus (8 hrs)

Foreign language through the intermediate level is required for the Bachelor of Arts degree.

Chemistry major - B.A. (24 hours)

for secondary teacher licensure

This chemistry major leads to the **Bachelor of Arts** degree and the requirements for teacher licensure in chemistry on the secondary level.

CHEM 170 and 171 General Chemistry (8 hrs)
CHEM 202 Quantitative Analysis (4 hrs)
CHEM 301 and 302 Organic Chemistry (8 hrs)
Chemistry elective excluding CHEM 150 Survey of General Chemistry and 151 Organic and Physiological Chemistry for Non-Majors (4 hrs)

Other required courses (26 - 32 hrs):
PHYS 203 and 204 General Physics/Calculus (8 hrs)

General Science minor (24 hrs) OR
MATH minor (18 hrs) consisting of the following courses:
MATH 211 and 212 Calculus (8 hrs)
MATH 213 Statistics (3 hrs)
MATH 303 Multivariable Calculus (4 hrs)
MATH elective 200 level or above (3 hrs)

Foreign language through the intermediate level is required for the Bachelor of Arts degree.

Chemistry major - B.S. (36 hrs)

for graduate studies or chemical industry

This major is intended for students interested in pursuing graduate studies in chemistry or working in the chemical industry.

CHEM 170 and 171 General Chemistry (8 hrs)
CHEM 202 Quantitative Analysis and CHEM 203 Instrumental Analysis (8 hrs)
CHEM 301 and 302 Organic Chemistry (8 hrs)
CHEM 401 and 402 Physical Chemistry (8 hrs)
Chemistry elective excluding CHEM 150 and 151 (4 hrs)

Other required courses (20 hrs):
MATH 211 and 212 Calculus (8 hrs)
MATH 303 Multivariable Calculus (4 hrs)
PHYS 203 and 204 General Physics/Calculus (8 hrs)

Chemistry major - B.S. (36 hrs)

for paramedical studies

This major leads to the Bachelor of Science degree and is intended for students pursuing entrance into paramedical curricula (pharmacy, physical therapy, optometry, and others) or seeking secondary teaching licensure in chemistry.

CHEM 170 and 171 General Chemistry (8 hrs)
CHEM 202 Quantitative Analysis and CHEM 203 Instrumental Analysis (8 hrs)
CHEM 301 and 302 Organic Chemistry (8 hrs)
CHEM 310 Biochemistry (4 hrs)
CHEM 405 Advanced Inorganic Chemistry (4 hrs)
Chemistry elective excluding CHEM 150 and 151 (4 hrs)

Other required courses (16 hrs):
BIOL 111 and 112 Principles of Biology (8 hrs)
PHYS 203 and 204 General Physics/Calculus (8 hrs)

Pre-requirements for paramedical programs vary depending on the program and institution. Students must check the pre-requirements for admission to the programs they are interested in applying to and, with the help of their adviser, adjust their minor and/or electives so that the requirements are met.

Courses in the majors listed above will fulfill the general education requirements for the laboratory sciences and mathematics. Courses in the chemistry minor will fulfill the general education requirements for the laboratory sciences.

Chemistry minor (20 hrs)

CHEM 170 and 171 General Chemistry (8 hrs)
CHEM 301 and 302 Organic Chemistry (8 hrs)
CHEM 202 Quantitative Analysis or 310 Biochemistry (4 hrs)

Course descriptions

CHEM 150. Survey of General Chemistry - A one-semester survey of the principles of inorganic chemistry, including atomic/molecular structure and nomenclature, gas laws, chemical equilibrium, and acid/base theory. Not applicable toward a chemistry major or minor unless by consent of the Chair of Scientific Learning. Three-hour lecture, one-hour recitation, and two-hour laboratory per week. Offered fall term each year. Four semester hours.

CHEM 151. Organic and Physiological Chemistry for Non-Majors - A one-semester survey of organic chemistry, including structure and nomenclature, functional groups, functional group reactivity, biologically important molecules, and introduction to human metabolism and nutrition. Not applicable toward a chemistry major or minor unless by consent of the Chair of Scientific Learning. Prerequisite: CHEM 150 or consent of the instructor. Three hours lecture, one-hour recitation, and one two-hour laboratory per week. Offered spring term each year. Four semester hours.

CHEM 170-171. General Chemistry - A study of the principles of general chemistry including atomic/molecular structure, bonding, stoichiometry, equilibria, kinetics and descriptive chemistry of the elements. Laboratory work includes basic laboratory techniques and Qualitative Analysis during the second semester. Prerequisite: algebra, high school chemistry or CHEM 150, or consent of the instructor. Students wishing to take this course to fill the laboratory science general education requirement must have the consent of the instructor. Three hours lecture, one hour of recitation, and one three-hour laboratory per week. CHEM 170 and 171 are offered as a year sequence beginning in the fall term each year. Four semester hours each semester.

CHEM 202. Quantitative Analysis - A course including representative types of gravimetric and volumetric analysis and a study of the techniques and fundamental principles of analytical chemistry and the stoichiometric problems. Offered fall term odd years. Four semester hours.

CHEM 203. Instrumental Analysis - An introduction to the theory and application of electrometric, spectrometric, and chromatographic methods of analysis. Prerequisite: CHEM 202 or consent of the instructor. Three hours lecture and one three-hour laboratory per week. Offered spring term odd years. Four semester hours.

CHEM 301-302. Organic Chemistry - A study of the structure, nomenclature, preparation, reactivity, spectroscopic techniques, and functional group analysis of organic compounds, aliphatic and aromatic. Prerequisite: CHEM 171. Three hours lecture and one three-hour laboratory per week. CHEM 301 and 302 are offered as a year sequence beginning in the fall term each year. Four semester hours each semester.

CHEM 310. Biochemistry - A comprehensive study of the chemical process taking place in living cells with special emphasis on metabolism and related chemical principles. Prerequisites: CHEM 301 and 302 or the consent of the instructor. Offered fall term each year. Five semester hours.

CHEM 311. Organic Qualitative Analysis - A course in the standard methods of identification of organic compounds. Prerequisite: CHEM 302 or concurrent enrollment. Offered spring term odd years. Four semester hours.

CHEM 401-402. Physical Chemistry - The study of the states of matter, elementary thermodynamics, solutions, electromotive force, chemical and ionic equilibria colloids, and atomic and nuclear structure. Prerequisites: CHEM 171, 202, 301, and 302 and PHSY 203 and 204. CHEM 401 and 402 are offered as a year sequence beginning in the fall term even years. Four semester hours each semester.

CHEM 405. Advanced Inorganic Chemistry - Modern bonding theories are presented and applied to inorganic compounds, especially to coordination compounds. The effects of structure and bonding on chemical properties are explored. Synthesis and characterization of a variety of compounds are carried out in the laboratory. Prerequisite: CHEM 202 or concurrent enrollment. Three hours lecture and one three-hour laboratory per week. Offered spring term even years. Four semester hours.

CHEM 490. Research Problem - Research on special problems in chemistry under the direct supervision of an instructor. Prerequisites: twenty hours of chemistry and consent of the faculty member to direct the research problem. Offered as needed. One to four semester hours.

CHEM 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics vary from semester to semester. One to three semester hours.

Children's Ministry

Area of Biblical Learning

Ministering to children in our society has become a significant service for Christians. Childhood is obviously a formative time of life, and being able to help children come to know Jesus as the Christ through scripture and the love and support of the church rises to great prominence as a form of Christian ministry. Children's ministers quite often meet the needs of entire families in the process of helping and ministering to children.

Preparing people for this emphasis in ministry fits very well into the mission of Milligan College. It clearly supports "A Positive, Personal Faith that Jesus is Lord and Savior" for that is the strength of this ministry and the whole reason for people pursuing this calling. Likewise, by affirming the necessity of integrity in any role of ministry, this specialization affirms "A Commitment to Follow the Teachings of the Christian Scripture in One's Personal and Social Ethics." The "Capacity to Recognize and Assume Responsibility in Society" obviously undergirds any professional ministry role, and a concern for "The Knowledge, Meaning, and Application of Sound Scholarship" is emphasized as part of a liberal arts education at Milligan College. More specifically, the focus on children leads naturally to "Participation in the Activities of a Healthy Lifestyle." Quite definitely, preparation for children's ministry supports Milligan College's overall mission.

The Children's Ministry emphasis in the Bible/Ministry major, or the Children's Ministry minor, prepares a person to participate fully in a ministerial staff of a local church and be able to assume other roles in addition to the focus on children. Because of the strong emphasis toward Bible and ministry, students are advised to take extra courses in child development and/or child psychology, and to consider electives from early childhood or elementary education backgrounds in order to broaden their readiness for working directly with children. Generally, such a ministry involves working with children from nursery age up through elementary and sometimes middle school ages. But ministers for both children and youth will find this major emphasis or minor effective for service preparation, as will people working with camps, Christian schools, evangelistic efforts, and other parachurch ministries.

Milligan College expects those who graduate with a Bible/Ministry major and an emphasis in Children's Ministry to: (1) be equipped to stay abreast of changes in ministry to children and family involvement in the church and serve effectively through them; (2) be prepared for service in a leadership role of ministry in the church and able to function as part of a team/staff relationship; (3) have a good foundation in biblical, church historical and practical studies in order to prepare and deliver sound teaching to children and their families and to continue in lifelong learning; (4) be equipped to pursue seminary or graduate education with a good preparation for that advanced study; and (5) provide a good Christian example as a student of scripture and disciple of Jesus. Emphases of spiritual dependence upon God, solid academic study, including serious study of the Bible itself, and practices of both integrity and effectiveness highlight this program of study.

Bible/Ministry major - B.A. (39 hrs)

Children's Ministry emphasis (see "Bible/ministry")

The Bible/ministry major with emphasis in Children's Ministry —requiring 39 minimum hours — leads to the B.A. degree, which requires intermediate proficiency in a foreign language. Language proficiency satisfies a general education requirement, not a requirement of the Bible/Ministry major. For biblical studies beyond undergraduate work, Greek (or Hebrew when available) is strongly recommended.

Children's Ministry minor (21 hrs)

Milligan College offers a minor in Children's Ministry, which consists of 21 hours outlined below. Students pursuing the Children's Ministry minor are strongly encouraged to take PSYC 252 or 253 as three hours of their social learning requirement.

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
BIBL elective (3 hrs)
CMIN 217 Foundation for Youth and Children's Ministry (3 hrs)
CMIN 317 Materials and Methods of Children's Ministries (2 hrs)
HIST 275 Selected Topics in the History of the Reformation of the Nineteenth Century (1 hr)
HIST 341 and 342 Church History (6 hrs)

Christian Ministry

Area of Biblical Learning

Ministry or service, especially in the name of Christ, provides the fullest expression of realizing what Milligan College seeks to achieve. Motivation for ministry must come from "A Positive, Personal Christian Faith that Jesus is Lord and Savior" (the first statement of Milligan's Mission Statement) or it will never be effective or long lasting. Likewise, "A Commitment to Follow the Teachings of the Christian Scripture in One's Personal and Social Ethics," "The Capacity to Recognize and Assume Responsibility in Society," and "The Knowledge, Meaning, and Application of Sound Scholarship" all find opportune expression in Christian ministry. All of these are addressed specifically in the Bible/Ministry major.

The Chrisrian ministry minor prepares people for serving Christ in a variety of ways, especially as a bi-vocational or volunteer leader. With the basic concept of Milligan College that "every Christian is a minister" of some type, this minor can prepare people specifically for service in a church setting or a church-related organization. Classes with this focus form a significant part of each major in the area of biblical learning, and the use of them as a minor provides a supplement to whatever other major is selected, positioning a person for effective service in a broad range of roles.

Milligan College expects those who graduate with Christian ministry minors to (1) be prepared to assist in a leadership role of ministry in the church; (2) understand enough of the workings of a church staff to assume a position of responsibility in a church; (3) have a good sampling of biblical, church historical, and practical studies to encourage lifelong learning; (4) provide a good Christian example as a student of scripture. Emphases of spiritual dependence upon God, solid academic study including serious study of the Bible itself, and practices of both integrity and effectiveness highlight a Christian ministry minor from Milligan.

Bible/Ministry major - B.A. (37-39 hrs)

See **Bible/Ministry** for the major and information about specific emphases in various forms of Christian ministry.

Christian Ministry minor (21 hrs)

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
BIBL elective (3 hrs)
CMIN 265 Effective Christian Evangelism or 276 Homiletics (2 hrs)
CMIN 273 Introduction to Ministry (3 hrs)
HIST 275 Selected Topics in the History of the Reformation of the Nineteenth Century (1 hr)
HIST 341 and 342 Church History (6 hrs)

A major course of study must be other than the Bible/Ministry major.

Course descriptions

CMIN 217. Foundation for Youth and Children's Ministry - A solid foundation in the nature and importance of the church's ministry to youth and children. Emphases include the nature and mission of the church as well as the personal and professional life of the youth or children's minister. Some field experience is included. Offered fall term each year. Three semester hours.

CMIN 250. Practical Ministries Colloquium A - Part of a series of practically oriented discussions of ministry in its various forms, comprised primarily of guest speakers and small group discussions, focusing on missions, Christian unity, and church and government. Required for the Bible/Ministry major. Offered fall term alternate years. One-half hour per semester.

CMIN 251. Practical Ministries Colloquium B - Part of a series of very practically oriented discussions of ministry in its various forms, comprised primarily of guest speakers and small group discussions, focusing on evangelism and "marketing," counseling, weddings, and funerals. Required for the Bible/Ministry major. Offered spring term alternate years. One-half hour per semester.

CMIN 252. Practical Ministries Colloquium C - Part of a series of very practically oriented discussions of ministry in its various forms, comprised primarily of guest speakers and small group discussions, focusing on ministerial ethics, finances, and church administration. Required for the Bible/Ministry major. Offered fall term alternate years. One-half hour per semester.

CMIN 253. Practical Ministries Colloquium D - Part of a series of very practically oriented discussions of ministry in its various forms, comprised primarily of guest speakers and small group discussions, focusing on worship, music, baptism, and communion. Required for the Bible/Ministry major. Offered spring term alternate years. One-half hour per semester.

CMIN 261. Introduction to Christian Education - A survey course introducing the student to the total program of Christian education in the local church. Principles, organization, curriculum, methods, leadership, and related matters are treated. Offered spring term each year. Two semester hours.

CMIN 265. Effective Christian Evangelism - A focus on current forms and styles of Christian evangelism, following a brief overview of New Testament scriptures about evangelism and some methods used in the past. Some attention is also given to personal efforts at sharing Christian faith. Offered periodically. Two semester hours.

CMIN 270. Introduction to Christian Missions - A study of the biblical and theological basis for missions, pointing out the implications of ecumenics, anthropology, and changing world conditions for present missionary practice. Offered spring term alternate years. Three semester hours.

CMIN 271. History of Christian Missions - A survey of the history and progress of missions since the beginning of Christianity. Same as HIST 271. Offered spring term alternate years. Three semester hours.

CMIN 273. Introduction to Ministry - A preliminary study of homiletics, church administration, worship leadership, ministerial ethics, and practical ministry (including attention to baptisms, weddings, funerals, etc.). Required for the Bible /Ministry major. Prerequisite: COMM 102. Offered fall term each year. Three semester hours.

CMIN 276. Homiletics - A continued study of the preparation and delivery of sermons, with considerable emphasis on student preaching and evaluation. Prerequisite: CMIN 273. Offered spring term each year. Two semester hours.

CMIN 317. Materials and Methods of Children's Ministries - A study of models and resources for ministering to children in the church. Prerequisite: CMIN 217 or prior permission of instructor. Offered spring term alternate years. Two semester hours.

CMIN 318. Materials and Methods of Youth Ministries - A study of the available models and resources for ministering to youth in the church. Prerequisite: CMIN 217 or prior permission of instructor. Offered spring term alternate years. Two semester hours.

CMIN 365. Christian Worship - A study focused on the leadership of Christian worship in a public context, including both practical and theological considerations. Some attention is given to planning and coordinating the various facets of a public service. Guest speakers and possible field trips are included. Offered spring term alternate years. Three semester hours.

CMIN 375. Narrative and Story-Telling - The study and practice of developing and using stories and other narrative forms to communicate biblical truth. Exercises involve the application of narrative materials to both sermon and lesson formats. Attention is given to using literary narrative materials as well as creating stories from one's own experience and observations. Offered periodically. Two semester hours.

CMIN 430. Servanthood in the Third Millennium - An examination of the nature of servanthood and the formation of the servant of Christ for the world. Topics include identity of the servant, spiritual formation, the role of community, the servant and culture, preparation for service, and serving across cultural lines. Offered periodically. Three semester hours.

CMIN 470. Current Issues in World Mission - A study of important movements and trends within the field of world mission. Topics of discussion include models of ministry, leadership and missions, the internationalization of mission, and mission to North America. Offered periodically. Three semester hours.

CMIN 491. Practicum in Ministry - Involvement in ministry either in a local congregation or a mission field with approved supervision and evaluation. Arrangements are to be made through the Supervisor of Bible/Ministry internships. Two semester hours. Note: This requirement is normally met during a term of not less than eight weeks during the summer following the junior year at a location other than the student's home area.

CMIN 491. Practicum in Missions - Involvement in ministry on a mission field with approved supervision and evaluation. Arrangements are made through the missions professor. Three semester hours. Note: This requirement is normally met during a term of not less than eight weeks during the summer following the junior year.

Coaching

Area of Education

The coaching minor supports the following goals of Milligan College:

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.
- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatrical groups, student clubs, student government, and other campus-sponsored extracurricular endeavors, in preparation for life-long participation in similar activities.

Coaching minor (19 hrs)

The coaching minor prepares students to coach in school or community settings or also to pursue graduate studies in coaching.

HPXS 270 The Science of Athletic Performance (3 hrs)
HPXS 302 Coaching and Officiating (total of six hours)
HPXS 309 Sports Injuries (3 hrs)
HPXS 310a First Aid and CPR (1 hr)
HPXS 322 Psychology and Philosophy of Coaching (3 hrs)
HPXS 404 Organization and Management of Physical Education and Sports (3 hrs)

Communications

Area of Performing, Visual, and Communicative Arts

The communications major supports the following goal of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.
- The communications major prepares students to work in various specialties of today's media and to adjust to the inevitable changes that are ahead. This is accomplished through a curriculum blending critical analyses, theoretical issues, and practical skills. Central to the major is an approach to the study of communications from a distinctly Christian worldview.

Graduates with a major in communications are expected to 1) demonstrate an understanding of how various media shape modern life, emphasizing the relationship between Christian faith and life; 2) demonstrate the ability to think and write clearly and effectively in their area of expertise (broadcasting, digital media studies, film studies, journalism, and public relations/advertising); 3) demonstrate a practical knowledge of their area of expertise; 4) demonstrate knowledge of current research in their field of expertise; 5) demonstrate skill in computer applications relating to their area of expertise.

The major in communications may be a **B.A. program** that requires completion of a foreign language through the intermediate level. The student may elect the **B.S. degree** that requires CIS 275 and, in the journalism and public relations/advertising emphases, MATH 213.

In addition to the 12 hours of core courses, a student must also complete 24 hours in one of the following emphases: **broadcasting, digital media studies, film studies, journalism,** or **public relations/advertising.**

Additional opportunities

Summer Institute of Journalism (SIJ)

A cooperative program with the Council for Christian Colleges and Universities, the Summer Institute of Journalism is a competitive, intensive four-week program in Washington, D.C. Fifteen students are selected from among the 100-member CCCU institutions each summer. They spend part of each day in lectures, learning from journalists working in mainstream news organizations around the nation's capital. Students also write news and feature stories for local newspapers. Two Milligan College students may be nominated each year, and one may be selected for the SIJ each year. Most expenses, including tuition and travel, are underwritten. SIJ is accepted for the three-hour internship requirement in the journalism emphasis.

Los Angeles Film Studies Program (LAFSP)

A semester-long, fifteen-credit hour program sponsored by the Council for Christian Colleges and Universities. This program allows students to study filmmaking in Los Angeles while doing internships at businesses in the entertainment industry. In addition, the student completes COMM 371 History of Fiction Film.

Communications major - B.A. or B.S. (36 hrs) with emphases

Required core courses (12 hrs)

COMM 101 Introduction to Mass Media: Culture and Religion (3 hrs)
COMM 205 Reporting for Public Media (3 hrs)
COMM 201 Principles of Interpersonal Communication (3 hrs)
COMM 270 Film and Television Aesthetics (3 hrs)

Emphases

Broadcasting (24 hrs)

COMM 284 Digital Audio Production (3 hrs)
COMM 323 DV Production and Non-Linear Editing (3 hrs)
COMM 325 Broadcast Writing, Production, and Performance (3 hrs)
COMM 424 Broadcast Lab (1-3 hrs)
COMM 484 Radio Lab (1 hr)
COMM 491 Internship (3 hrs)
COMM 494 Senior Portfolio and Exam (1 hr)
COMM electives (8-10 hrs)

Digital Media Studies (24 hrs)

COMM 323 DV Production and Non-Linear Editing (3 hrs)
COMM 451 Multimedia Production I: History, Theory, and Management (3 hrs)
COMM 452 Multimedia Production II: Design and Production (3 hrs)
COMM 453 Digital Imaging (3 hrs)
COMM 491 Internship (3 hrs)
COMM 494 Senior Portfolio and Exam (3 hrs)
COMM electives (5 hrs)
CIS 318 Web Theory and Design (3 hrs)

Film Studies (24 hrs)

COMM 275 Screenwriting Workshop (3 hrs)
COMM 323 DV Production and Non-Linear Editing (3 hrs)
COMM 372 History of Documentary Film OR COMM 373 History of Animated Film (3 hrs)
COMM 470 Film and Television Criticism (3 hrs)
COMM 475 Senior Film Workshop (Directed Studies) (3 hrs)

Journalism (24 hrs)

COMM 237 Bsic Photography (3 hrs)
COMM 284 Digital Audio Production, COMM 313 Desktop Publishing Layout and Design OR CIS 318 Web Theory and Design (3 hrs)
COMM 315 History of Journalism (2 hrs)
COMM 323 DV Production and Non-Linear Editing OR COMM 337 Photojournalism (3 hrs)
COMM 325 Broadcast Writing, Production, and Performance OR COMM 331 Specialty Reporting and Writing OR COMM 335 Editing Style in Print Media (3 hrs)
COMM 431 Feature Writing for Print Media (3 hrs)
COMM 432 Religion, Ethics and Law in Journalism (3 hrs)
COMM 491 Internship (3 hrs)
COMM 494 Senior Portfolio and Exam (1 hr)

Note: A student may pursue alternative paths through journalism in conjunction with his/her adviser. The convergent nature of journalism may direct a student to different applications such as print journalism, broadcast journalism, or digital journalism.

Public Relations/Advertising (24 hrs)

COMM 237 Basic Photography (3 hrs)
COMM 311 Writing for Public Relations/Advertising (3 hrs)
COMM 313 Desktop Publishing Layout and Design (3 hrs)
COMM 315 History of Journalism (2 hrs)
COMM 413 Public Relations Practices (3 hrs)
COMM 491 Internship (3 hrs)
COMM 494 Senior Portfolio and Exam (1 hr)
COMM electives (6 hrs)

Communications minor (18 hrs)

COMM 101 Introduction to Mass Media: Culture and Religion (3 hrs)
COMM 201 Principles of Interpersonal Communication (3 hrs)
COMM 205 Reporting for Public Media (3 hrs)
COMM 270 Film and Television Aesthetics (3 hrs)
COMM electives at the 300 and 400 level (6 hrs)

Course descriptions

COMM 101. Introduction to Mass Media: Culture and Religion - A foundational course designed to raise questions and issues about the interplay between mass media, faith, and culture. The emphasis of this course is on analyzing, from a Christian perspective, the relationship between and impact of media content, media use, individuals, belief systems, and societies. Offered every term. Three semester hours.

COMM 102. Speech Communication - A study of the basic principles of interpersonal, small-group, and public communication with emphasis on public speaking. Exercises in each area focus attention on individual needs and skills. Offered every term. Three semester hours.

COMM 141. Fundamentals of Voice/Stage Movement - A survey course introducing the student to major vocal production and stage movement theorists as well as the LeCoq-based mask work and an introduction to stage dialects and stage combat. Offered spring term each year. Three semester hours.

COMM 151. Introduction to Theatre - The history and literature of the theatre from its Greek origins to the present. This course is designed to help the student relate drama in its historical context to contemporary man. Some emphasis is placed on films, dance, and musical theatre. The course is supplemented by films, attendance at area performances, and production work on the current semester's drama production. Offered fall term each year. Three semester hours.

COMM 201. Principles of Interpersonal Communication - An introduction to the processes and dynamics of human interaction, both in face-to-face settings and in small groups. The study includes both verbal and nonverbal forms of communication as well as material related to symbolic interaction. Offered every term. Three semester hours.

COMM 202. Intermediate Speech Communication - A study of the techniques of various types of speech communication, including the role of speech and the use of language in society. Prerequisite: one year of speech or debate in high school or permission of the instructor. Course offering to be announced. Three semester hours.

COMM 205. Reporting for Public Media - An introduction to and practice in writing for newspapers, magazines, and aural/visual media. Proficiency in composition is a prerequisite. The course focuses on the styles of writing for each medium as well as the fundamentals of news writing itself. Offered every term. Three semester hours.

COMM 237. Basic Photography - An introduction to the 35mm camera and basic darkroom procedures. Students develop confidence in picture-taking and picture-printing procedures. Offered every term. Three semester hours.

COMM 242. Fundamentals of Acting - A study of techniques in acting. Class exercises are designed to develop relaxation, concentration, and improvisation skills. Audition techniques, monologue studies, and scene study are also emphasized. Laboratory experience includes participating in some facet of the current semester's drama production. Offered fall term each year. Three semester hours.

COMM 270. Film and Television Aesthetics - An introduction to the artistic elements of the motion picture. The detailed analysis of basic film techniques and how they might be creatively manipulated for expressive effect are combined with the screening of films appropriate to class discussion. Offered every term. Three semester hours.

COMM 275. Screenwriting Workshop - A studio course in writing for the short film. This course is prerequisite for all production courses in the film program, and students are expected to develop scripts that can be produced in subsequent filmmaking courses. Offered fall term each year. Three semester hours.

COMM 284. Digital Audio Production - A study of the processing techniques dealing with both live and recorded sound. Primary emphasis is upon the manipulation of that sound for radio broadcast, although consideration is given to live and studio recording. Content includes the understanding of the physical aspects of the creation of sound, proper use of microphones, sound mixing, as well as principles and techniques of recording and play back. Vocal sound production for speech and fundamentals of announcing are also covered. Offered fall term odd years. Three semester hours.

COMM 310. Intermediate Photography - An opportunity for students to expand their understanding of techniques and ideas presented in Basic Photography. Emphasis is placed on personal interpretation and visual communication. Prerequisite: COMM 237. Offered every term. Three semester hours.

COMM 311. Writing for Public Relations/Advertising - An introduction to the specialty writing skills related to these two industries. Special attention is given to the creation of advertising copy for all mediums and the preparation of press releases and press kits. Intensive practice is given in the composition of brochures, newsletters, and informational speeches. Prerequisite: COMM 205. Offered fall term even years. Three semester hours.

COMM 313. Desktop Publishing Layout and Design - A publishing course designed to give students practice and experience with the leading PC desktop program, QuarkXPress, to create professional-looking publications including newsletters, advertisements, stationery, flyers, business cards, and announcements. Other skills learned include scanning and editing photographs using Adobe PhotoShop. Prerequisite: CIS 275. Offered fall term each year. Three semester hours.

COMM 315. History of Journalism - A study of the history and development of journalism, with particular attention given to the relationship between the press and Christian faith and practice. While the course focuses primarily on print journalism, it also includes broadcast and digital media. Offered spring term even years. Two semester hours.

COMM 323. DV Production and Non-Linear Editing - An introduction to the process of creating digital video media, whether for "limited" in-house use, web use, CD/DVD use, or for broadcasting purposes. The course provides an orientation to digital video equipment and procedures essential for quality field and studio productions. Students use Adobe Premiere at computer workstations to complete non-linear edited video projects. Prerequisites: CIS 275 and COMM 313 are recommended. Offered fall term each year. Three semester hours.

COMM 325. Broadcast Writing, Production, and Performance - A course in radio and television script writing for news, sports, and commercial broadcast media. Students concentrate on theory and skills used in professional broadcast writing. Attention is given to the process of writing as a basis for production and as a way to supplement visual material. Writings focus on commercials, features, news, sports, and public service announcements. Attention is given to student on-camera performance. This course includes discussion regarding the history of the broadcast medium. Prerequisites: COMM 205 and 323. This course is a prerequisite for the Broadcast Lab. Offered spring term each year. Three semester hours.

COMM 331. Specialty Reporting and Writing - An in-depth look at the skills needed to apply basic reporting and news writing techniques to specific subjects such as science, sports, education, the arts, and religion. The emphasis is on short, timely news reports. The class also considers trends in specialty publications and news services. Prerequisite: COMM 205. Offered fall term even years. Three semester hours.

COMM 335. Editing and Style in Print Media - A survey of the fundamentals of editing, style, layout, and production in print media such as newspapers, newsletters, and magazines. Attention is given to the impact of computers and emerging forms of technology, such as fiber optic networks. Lab work with The Stampede is required. Prerequisite: COMM 205 or consent of instructor. Offered fall term odd years. Three semester hours.

COMM 337. Photojournalism - An introduction to the relationship between photography and print media, including photographic techniques and processes. Special attention is given to the use of photography as an aid to news presentation. Prerequisite: COMM 237. Offered spring term each year. Three semester hours.

COMM 340. Fundamentals of Directing - A course emphasizing study of the various elements in the production of a play or a short film: theory, selection of play or screenplay, production, interpretation of the play or film, scene design, costumes, and make-up. The course culminates in the direction of a one-act play or short film for the public. This course is especially recommended for students preparing to supervise play or film production in the public schools. Prerequisites: COMM 270 and 323. Offered spring term even years. Three semester hours.

COMM 341. Principles of Organizational Communication - An overview of organizational communication and the role that it plays in the American system. Attention is given to the nature of leadership, organizational structure in business and industry, and the role of communication in the process by which complex tasks are carried out. Offered spring term even years. Three semester hours.

COMM 345. Dynamics of Group Communication - The study of how groups and collectivities of people organize and maintain themselves. The course includes a study of theories in group dynamics as well as an examination of why groups sometimes fail. Offered spring term odd years. Three semester hours.

COMM 371. History of Fiction Film - A survey of international narrative cinema, from the silent period to the present. Individual films, filmmakers, film movements, and film genres are studied, and important films from the respective periods are screened in whole or part. This course ful-

fills the ethnic studies course requirement in the general education core. Offered fall term each year. Three semester hours.

COMM 372. History of Documentary Film - A survey of international non-fiction filmmaking from the silent period to the present, with a focus on individual documentary films, documentary filmmakers, documentary movements, and documentary genres. Class screenings introduce students to important and relevant examples of non-fiction cinema. Offered spring term each year. Three semester hours.

COMM 373. History of Animated Film - A historical overview of motion picture animation, from the silent period to the present. Various animation techniques, animation styles, and animation artists are studied, and key examples of animated films from around the world are screened in class. Offered spring term each year. Three semester hours.

COMM 375. Cinematography Workshop - A course in basic 16mm motion picture photography, lighting, sound, and editing for films produced on location or within a studio setting. Short films produced in this course may be entered in festival competition. A lab fee is required. Prerequisites: COMM 270, 275, and 323. Course offering to be announced. Three semester hours.

COMM 377. Animation Workshop - A course in basic motion picture and digital animation techniques. Short films produced in this course may be entered in festival competition. Prerequisites: COMM 270 and 275. Course offering to be announced. Three semester hours.

COMM 384. Digital Recording Techniques - A continuation of COMM 284 with a focus on obtaining sound in a studio or field environment, editing, and manipulation of recorded material for content and time considerations. Topics include microphone selection and placement, remote and studio recording procedures, creation and use of sound effects, and news documentaries. Prerequisite: COMM 284 or consent of the instructor. Offered fall term even years. Three semester hours.

COMM 413. Public Relations Practices - An introduction to the public relations process and industry, including a survey of tasks that are performed by every public relations practitioner. Emphasis is on the role of public relations within the media system as well as in the American social and political economy. Prerequisites: COMM 205 and 311. Offered fall term odd years. Three semester hours.

COMM 424. Broadcast Lab - An opportunity for broadcast students to reinforce the skills learned in the Non-Linear Digital Video Production and Editing course and the Broadcast, Writing, Production, and Performance course by becoming part of a broadcast team whose goal is to produce a quality thirty-minute weekly program which airs on local cable TV. Students have the opportunity to write copy, anchor, edit, direct, technical direct, produce, and serve as videographers, audio technicians, and studio and field camera operators to produce these programs. Prerequisites: COMM 205, 323, and 325. Offered spring term each year. One to three semester hours.

COMM 431. Feature Writing for Print Media - A practical course in researching and writing in-depth feature articles for newspapers and magazines, including a survey of trends in feature writing. Students submit their work to campus publications and to regional or national periodicals. Prerequisite: COMM 205 or consent of instructor. Offered fall term each year. Three semester hours.

COMM 432. Religion, Ethics and Law in Journalism - A course addressing religious, ethical, and legal issues in journalism, with an emphasis on integrating Christian values and worldview with a career in secular or religious media. This course includes the journalism program's comprehensive exam. Offered spring term odd years. Three semester hours.

COMM 433. The American Magazine - A course designed to introduce and explore the fundamental principles and practices of magazine publishing. During the semester, students create a plan to publish a new magazine, learning about concept development, editing, design, circulation, marketing, advertising, and finances. Students also discuss the history and cultural role of magazines in the United States and consider the impact of online publishing. Prerequisite: COMM 101 or 205 strongly advised but not required. Offered spring term even years. Three semester hours.

COMM 451. Multimedia Production I: History, Theory, and Management - A survey of the history of digital media and reviews current and future technologies. The pre-production phase of interactive multimedia program development is examined. Aspects of multimedia relating to Web, CD-ROM, DVD-ROM, Animation, and Virtual Reality are covered. Attention is given to the legal and ethical issues associated with digital media. This course includes hands-on research regarding client assessment that is used in COMM 452. This course also provides instruction using authoring software. Offered fall term each year. Three credit hours.

COMM 452. Multimedia Production II: Design and Production - A course in which students develop and design a multimedia presentation for a client using authoring software. Students learn how to integrate digital media content, such as audio, video, and graphics to create an interactive multimedia project. This course is a continuation of elements covered in COMM 451 and builds upon the student's previous knowledge of desktop publishing, audio and video production, and scanning as well as other computer applications. Projects created may cover training, educational, and commercial content. Prerequisites: COMM 313, 323, and 453. Offered spring term each year. Three credit hours.

COMM 453. Digital Imaging - An introduction to the basic design tools of Adobe Photoshop followed by the exploration of the depths of pixel based image manipulation and the world-renowned industry standard software package. The course covers photo restoration, surreal image creation, web page/interface design and optimization, and artistic expression through digital media. Offered spring term each year. Three semester hours.

COMM 454. 3D Modeling and Animation - A course designed to ensure a high level of experience and exposure to the tools used in the 3D graphic industry. Nurbs and spline modeling methods are used in the creation of photo realistic objects in the 3D environment. Strong emphasis is placed on lighting and texturing. Rendering, animation and particle systems are also topics addressed throughout the course. Course offering to be announced. Three semester hours.

COMM 456. Computer Graphics - An in-depth exposure to the world of infinitely scalable, math-based, vector graphics. This course utilizes software that is predominant in the industry today and covers topics from paths and points to manipulation of blends and simple 2D animation. Some of the projects covered in the course are essence finding, 3D in a 2D world, comic book cover design and vector portrait. Course offering to be announced. Three semester hours.

COMM 470. Film and Television Criticism - A theoretical survey of the major literary, philosophical, ethical, and scientific approaches to motion picture analysis, perception, and understanding. Films that illustrate concepts discussed in class are screened. Offered spring term each year. Three semester hours.

COMM 475. Senior Film Workshop (Directed Studies) - A studio course in independent short film production supervised by the film facul-

ty. Students are required to enter the film produced in this course in festival competition. Prerequisites: COMM 270, 275, and 375. Offered every term. Three semester hours.

COMM 481. Print Media Lab - A guided studies course in which students may receive course credit for advanced readings and special on-campus projects in print journalism. Prerequisite: consent of instructor. Offered every term. One-half to three semester hours.

COMM 482. Visual Media Lab - A guided studies course in which students may receive course credit for advanced readings and special on-campus projects in television, video, film, and other visual media. Prerequisite: consent of instructor. Course offering to be announced. One to three semester hours.

COMM 483. Public Relations Lab - A guided studies course in which students may receive course credit for advanced readings and special on-campus projects in public relations. Prerequisite: consent of instructor. Course offering to be announced. One to three semester hours.

COMM 484. Radio Lab - An opportunity for students to work with the campus FM radio station WUMC 90.5. COMM 284 plus two hours of 484 are required of all broadcasting majors to be taken during the sophomore and junior years. Students perform a variety of tasks from administrative duties to on-air board shifts. Non-broadcasting majors may enroll with consent of the instructor. Offered every term. One to three semester hours.

COMM 485. Multimedia Lab - A guided studies course in which students may receive course credit for advanced readings and for the production of special on- or off-campus projects using multimedia development techniques. Prerequisite: consent of instructor. One to three semester hours.

COMM 489. Directed Readings - A supervised program of readings that provides for study of material not included in the regular course offerings. Course offering to be announced. One to three semester hours.

COMM 490. Directed Studies - A program of readings and conferences that provides for individualized study. Course offering to be announced. One to three semester hours.

COMM 491. Internship - A practicum experience in which students work in a professional setting using media skills from major courses, either in print, visual, digital or public relations media. Offered every term. Prerequisite: senior standing or consent of instructor. Three semester hours.

COMM 492. Journalism Honors - A tutorial course providing an opportunity for seniors to work intensively on a major nonfiction article for publication. Students meet regularly one-to-one with a journalism professor as they work through the process of writing and submission for publication, including reporting, researching markets, writing drafts, and undergoing critiques. Students must apply to the journalism faculty for admission; only two students are accepted per semester. Priority is given to senior communications majors with a journalism emphasis, but other seniors and rising seniors from any discipline are welcome to apply. Offered every term. Three semester hours.

COMM 494. Senior Portfolio and Exam - The preparation of a professional portfolio, a requirement of all students with an emphasis in broadcasting, digital media studies, journalism, or public relations/advertising during one of their final two semesters before graduation. Students also read and prepare for the comprehensive senior exam. Offered every spring and in fall as needed. One semester hour.

COMM 495. Seminar - A seminar designed to promote in-depth discussion, independent research, writing, and concentration in areas beyond regular course offerings. Topics vary from term to term. Course offering to be announced. One to three semester hours.

Computer Information Systems

Area of Business

The computer information systems major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The major in computer information systems (CIS) is designed to prepare students for careers as programmers/analysts, lead programmers, management information systems directors, and systems project leaders for applications in business, industry, and government.

Course work in this major emphasizes systems analysis and design, programming, and management. It is recommended that students with a major in computer information systems complete a minor in a business-related area.

Graduates with a major in computer information systems are expected to (1) possess a thorough understanding of the information systems analysis and design process, as well as the development (programming) and implementation (hardware, software, networking) processes of computing applications in a business environment; (2) possess oral and written communication skills necessary to convey technical information in a business or technical environment; (3) have acquired knowledge and skills needed for positions in a variety of computer/business-related fields.

Computer Information Systems major B.A. or B.S. (39 hrs)

CIS 201 Introduction to Information Systems (3 hrs)
CIS 211 Programming I (3 hrs)
CIS 213 COBOL (3 hrs)
CIS 275 Computer Applications (3 hrs)
CIS 305 Database Applications (3 hrs)
CIS 341 Systems Analysis and Design (3 hrs)
CIS 420 Data Communication and Networking (3 hrs)
CIS 450 Systems Project Management (3 hrs)
CIS 491 Internship (3 hrs)
BADM 365 Operations Management (3 hrs)
MATH 213 Statistics (3 hrs)
Electives in CIS (6 hrs)

Foreign language through the intermediate level is required for the Bachelor of Arts degree.

Computer Information Systems minor (27 hrs)

CIS 201 Introduction to Information Systems (3 hrs)
CIS 211 Programming I (3 hrs)
CIS 213 COBOL (3 hrs)
CIS 275 Computer Applications (3 hrs)
CIS 305 Database Applications (3 hrs)
CIS 341 Systems Analysis and Design (3 hrs)
CIS 420 Data Communication and Networking (3 hrs)
MATH 213 Statistics (3 hrs)
Electives in CIS (3 hrs)

MATH 213 fulfills the general education requirement in mathematics. Proficiency tests are available for CIS 211 and 275 for students who already have knowledge in these areas.

Course descriptions

CIS 201. Introduction to Information Systems - An introductory course in information systems. The primary objective is to build a basic understanding of the value and use of information technology for business operations, managerial decision-making, and strategic advantage. Offered fall term each year. Three semester hours.

CIS 211. Programming I - An introduction to all aspects of programming and the problem-solving process. A structured high-level language is used with emphasis on designing, coding, debugging, and documenting programs. Laboratory use of a computer is an integral part of the course. Offered fall term each year. Three semester hours.

CIS 212. Advanced Programming - A second course in programming, going beyond the procedural concepts into an object-oriented process, using specific object-oriented techniques such as objects, classes, inheritance, and polymorphism. Laboratory use of a computer is an integral part of the course. Prerequisite: CIS 211. Offered spring term alternate years. Three semester hours.

CIS 213. COBOL - A study of programming techniques appropriate to the preparations of business oriented computer systems using the COBOL programming language. The study covers program design standards and program modularity as well as debugging and testing techniques. Laboratory use of a computer is an integral part of the course. Prerequisite: CIS 211. Offered fall term each year. Three semester hours.

CIS 275. Computer Applications - A study of the Windows environment and current Windows applications including "hands-on" experience with word processors as well as spreadsheets, data base, and presentation software. Keyboarding skills are assumed. Offered every term. Three semester hours.

CIS 297. Visual BASIC - An introduction to Windows application programming using Visual BASIC, an evolutionary step in simplification of Windows programming. A knowledge of BASIC programming is helpful but not essential. The student should also have knowledge of the Windows operating environment. Prerequisite: CIS 211 or consent of instructor. Offered spring term each year. Three semester hours.

CIS 305. Database Applications - A basic overview of Relational Database Systems and Relational Database Design. The student acquires a working knowledge of Microsoft ACCESS and the ISO standard SQL language. Prerequisite: CIS 211 or equivalent. Offered fall term each year. Three semester hours.

CIS 313. Advanced COBOL - A transitional course from procedural COBOL (Computer Information Systems 213) to object-oriented COBOL. This course involves usage of an object-oriented COBOL compiler, object-oriented design with classes, inheritance, and information hiding. Prerequisite: CIS 213. Offered spring term alternate years. Three semester hours.

CIS 318. Web Theory and Design - An introduction to the World Wide Web as both a user and a developer. This course is designed to take the user from creating web pages to designing a large Web site. Emphasis is on web design strategies and the use of existing software applications that generate web-ready code. Other topics include HTML and multi-media integration. Prerequisite: CIS 275 or permission of instructor. Offered spring term each year. Three credit hours.

CIS 341. Systems Analysis and Design - A study of system design and implementation methods commonly used. The course provides an overview of the system development life cycle and in-depth coverage of the analysis phase of the life cycle. Use of a computer is an integral part of the course. Prerequisites: CIS 211 and 305. Offered fall term each year. Three semester hours.

CIS 420. Data Communication and Networking - An introduction to data transmission concepts and techniques. Topics included are: transmission media, analog and digital signals, data transmissions, multiplexing, network topologies, data security, Ethernet, token rings, and wide area network protocol. Prerequisite: CIS 211. Offered spring term each year. Three semester hours.

CIS 441. Software and Hardware Concepts - A survey of technical topics related to computer systems with emphasis on relationships among hardware architecture, systems software, and application software. Prerequisite: CIS 211. Offered fall term each year. Three semester hours.

CIS 450. Systems Project Management - A senior project course in which students incorporate all aspects of previous study in computer information systems such as computer applications, programming, systems analysis, hardware/software concepts, and data communication to solve a real-life business problem. Prerequisites: CIS 305, 341, and 420. Open to senior computer information system majors only or by permission of the instructor. Offered spring term each year. Three semester hours.

CIS 491. Internship - A practicum experience in which students work in a professional setting using computer information systems skills from their major courses. Prerequisite: consent of major professor. Offered every term. One to six semester hours.

CIS 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. Prerequisite: permission of the instructor or major professor. Offered periodically. One to three semester hours.

Early Childhood Development

Area of Education

Non-licensure program

The early childhood development major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of marerial in their major fields of study.
- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and expetience with other cultures.
- Students will gain an enriched quality of life through awareness of health issues, appreciarion for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

Milligan College offers an early childhood program for persons who wish to prepare for careers in working with children from birth through nine years of age. The mission of the program is to prepare caring and reflecting professionals who integrate their Christian faith, social responsibility, and sound scholarship in order to contribute to a responsible and caring community. With the successful completion of the student teaching semester, this program can lead to teacher licensure for persons who wish to teach children from birth through grade four. The early childhood program is a degree program that includes a child development major, general education courses, and professional education courses. These courses were selected by Milligan College faculty in response to a list of required knowledge and skills developed by the Tennessee Department of Education.

Early Childhood Development major - B.A. or B.S. (35 hrs)

EDUC 232 Early Childhood Inrervention and Assessment (3 hrs)
EDUC 245 Early Childhood Administration (2 hrs)
EDUC 301 Early Childhood Education (3 hrs)
EDUC 431 Guiding Young Children (3 hrs)
PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 253 Child Development (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 357 Intro to the Theory and Practice of Counseling (3 hrs)
PSYC 422 Learning and Memory (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)
SOCL 303 Family (3 hrs)

In order to seek licensure in early childhood, a minor in educational studies: early childhood, and other professional courses as mandated by state licensure requirements need to be satisfied (see section below "Education") in addition to this major.

Economics

Area of Business

The economics minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the social sciences, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through stewardship of resources and preparation for graduate studies and a rewarding career or profession.

The minor in economics allows students to gain broad-based exposure to a variety of economic topics. The minor provides the student with a better understanding of the modern economy, at both the personal and social levels and from both a contemporary and historical perspective.

Business major - B.A. or B.S. (39-45 hrs) Economics emphasis

Milligan College offers a business administration major with an emphasis in economics. For further information on the business major, refer to the "Business Administration" listing in this Catalog.

Economics minor (18 hrs)

ECON 201 Macroeconomic Principles and 202 Microeconomic Principles (6 hrs)
ECON 304 Global Political Economies (3 hrs)
ECON 370 Personal Finance (3 hrs)
ECON 401 Advanced Topics in Corporate Finance or 403 Money and Banking (3 hrs)
ECON 460 History of Economic Thought (3 hrs)

Business administration majors with an economics minor are required to take six hours of business administration or economics electives in place of ECON 201 and 202. History majors pursuing secondary teacher licensure may add an endorsement in economics by completing this minor.

Course descriptions

ECON 201. Macroeconomic Principles - A comprehensive study of demand and supply, private and public economic sectors, national income accounting, theories of employment, business cycles, and economic growth. Offered fall term each year. Three semester hours.

ECON 202. Microeconomic Principles - A comprehensive study of economic decision making at an individual consumer and firm level. Particular attention is paid to the theories of consumer and firm behavior as well as the demand for and efficient utilization of resources. Offered spring term each year. Three semester hours.

ECON 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. One to three semester hours.

ECON 301. Corporate Finance - A study of the basic financial structure of the corporate type of business enterprise. Emphasis is given to the vari-

ous methods of financing and to the role that management plays in determining financial policy. Prerequisite: ECON 202 and ACCT 212. Offered every term. Three semester hours.

ECON 304. Global Political Economies - A survey of the economic, political, and social effects of globalization both domestically and internationally. Emphasis is given to understanding the influence of governmental institutions and regulations upon individual societies. Topics include administrative law, antitrust law, comparative law, employment law, consumer protection, securities regulation, and international trade. This course fulfills the ethnic studies course requirement in the general education core. Offered spring term alternate years. Three semester hours.

ECON 331. Comparative Economic Systems - An introduction to the comparative study of economic systems, their underlying ideological foundations, and institutional arrangements. The historical and political context of various systems is analyzed along with the central organizational features of the major types of economic systems. The major topics covered are: the origins of capitalism; capitalism in theory and as an existing system; market-oriented economies; the Japanese economy; and the changing Chinese economic order. Special emphasis is given to the attempts at transition from centrally planned economies to market-oriented structures in the former USSR and Eastern Europe. Offered summer term each year. Three semester hours.

ECON 350. International Trade and Finance - A survey of the analytical and institutional aspects of international trade and finance. The historical and contextual elements are the foundation for the examination of current theoretical and empirical approaches to international economic and business relations. The classroom and the reading coverage are supplemented by resource persons from the fields of economics and management as well as institutions related to this subject area. Offered summer term each year. Three semester hours.

ECON 370. Personal Finance - An overview of personal and family financial planning with an emphasis on financial record keeping, planning spending, tax planning, consumer credit, making buying decisions, purchasing insurance, selecting investments, and retirement and estate planning. Offered spring term each year. Three semester hours.

ECON 401. Advanced Topics in Corporate Finance - A study of topics beyond the scope of Economics 301. Topics covered include capital markets, investment banking, long-term financing through debt, leasing, and stock issuance, dividend policy, convertibles, warrants, derivatives, growth through mergers and acquisitions, and international financial management. The course makes use of in-class problem solving, case assignments, classroom discussion, as well as classroom and on-site visits. Prerequisite: ECON 301. Offered spring term each year. Three semester hours.

ECON 403. Money and Banking - A study of the monetary system and theory along with a survey of the commercial banking system of the United States. Banking principles are analyzed, and banking institutions are studied to observe the application of principles. Prerequisite: ECON 202. Offered fall term each year. Three semester hours.

ECON 460. History of Economic Thought - A study of the development of economics as a social science. Attention is given to the social and political context that has defined rules for economic behavior in the eighteenth, nineteenth, and twentieth centuries. Prerequisite: ECON 201 and 202. Offered spring term each year. Three semester hours.

ECON 470. Business Strategy - An integrated study of the functional areas of finance, marketing, and management with emphasis on case analysis, readings, and computer simulations. Prerequisites: BADM 315 and 361 and ECON 301. Offered spring term each year. Three semester hours.

ECON 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Education: licensure programs

Area of Education

The undergraduate teacher education program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.

- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The undergraduate teacher education program is designed to serve persons who plan to obtain professional licensure for teaching in early childhood (serving children from birth through grade four), middle grades (serving children from grades five through eight), secondary (serving children from grades seven through twelve), special education (serving children from kindergarten through grade twelve), and selected K-12 specialty fields (music, theatre, and physical education). Milligan College has voluntarily suspended the special education program due to limited demand. No new students will be enrolled in this program until further notice. Students interested in teaching in elementary schools may select early childhood (early elementary grades) and/or middle grades (upper elementary) programs of study. Education students may also choose to pursue careers in professional settings other than schools, e.g., church settings and post-secondary institutions.

The Milligan College teacher education faculty is committed to nurture and develop "caring and reflective teachers," those who reflect continually on their practice in search of excellence, and who care deeply about the students and families they serve. Knowing that "every child deserves a quality teacher," we are committed to developing in our teacher candidates the professional knowledge, skills, and dispositions required to succeed in contemporary schools. Undergraduate and graduate initial licensure programs of study are available.

General information

Admission to the teacher education program

Entering undergraduate students who intend to pursue professional teaching licensure should file a statement of "Intent to Pursue Teaching Licensure" in the Center for Assistance to Students in Education (CASE) at the beginning of first semester at Milligan. Filing this statement will establish an initial program of study and designate an education adviser. Students initiate the application process leading to admission to teacher education while enrolled in Education 150, Introduction to Teaching, or immediately upon transfer from another program or institution. For full admission to the professional level of the teacher education program, students must have at least a 2.50 overall grade point average on a minimum of 30 credit hours. A minimum 2.75 overall grade point average will be required for subsequent approval to student teach. Students also must complete the Pre-Professional Skills Test (PPST) with Tennessee approved scores and be accepted following an interview by the teacher education faculty, serving as an Admissions and Retention Board. Students with an Enhanced ACT score of 22 or an enhanced SAT score of 1020 are exempt from taking the PPST. Admission decisions will be made once each semester. The application deadline for fall semester admissions is the last Friday in September. The application deadline for spring semester admissions is the last Friday in February. Completing all requirements for full admission to teacher education is the responsibility of the student. Students not yet admitted to teacher education or those admitted in either provisional or probationary status may not be allowed to enroll in professional level course work. Teacher candidates with PPST and/or grade point average deficiencies will not be approved for enrollment in courses numbered 350 or above, including student teaching.

Competent written language skills are also prerequisite to admission to the professional level of studies in the Milligan College teacher education program. Competency must be demonstrated through a written examination process approved by the faculty (see Teacher Education Handbook). Enrollment in all teacher education courses numbered 350 and above requires admission to the professional level of studies or prior approval of the instructor. Admission to the program does not guarantee continuance or completion. The teacher education faculty may recommend that a candidate not continue in the program if determined that such action is in the interest of Milligan College, the teacher candidate, or the profession. The candidate will then be administratively withdrawn from the program.

Licensure

Teacher candidates complete supervised field experiences and student teaching in public or private partner schools in nearby communities. During one of the senior semesters, candidates complete a full-time student teaching experience and participate in a series of associated capstone seminars especially designed to provide opportunities to reflect on relationships between theory and practical experiences in education. Candidates will also develop and maintain a portfolio throughout the program to document emerging professional competencies. Final assessment of program outcomes (as reflected in the portfolio, the student teaching experience, and minimum scores on all PRAXIS II subtests required for the license sought) is a critical component of the capstone seminar. A passing grade in the capstone seminar reflects program completion and will not be awarded until all program outcomes are fully met. Early completion of all PRAXIS II subtests is strongly recommended to ensure completion of this course as well as the receipt of all credentials including one's academic transcript demonstrating program completion for submission to state regulatory agencies for licensure.

Teacher candidates should anticipate various fees related to state licensure requirements. Fees will be incurred for completion of the Pre-Professional Skills Test (PPST) and the PRAXIS II, for purchase of liability insurance, for verification of CPR and/or first aid proficiency, and any other licensure requirements mandated by the State of Tennessee.

Milligan College offers curricula for licensure issued by the State of Tennessee for early childhood educators (PreK-Grade 4), middle grades educators (Grades 5-8), secondary educators, special educators, and specialists in music, theatre, and physical education. Milligan College is approved by the Tennessee Department of Education for teacher education and is accredited by the National Council for the Accreditation of Teacher Education (NCATE). Successful completion of this program leads to Tennessee licensure. Meeting all Tennessee licensure requirements is mandatory, even for those who intend to move to other states for employment. Through state reciprocal licensure agreements, some Milligan graduates also attain licensure in other states.

Accreditation by NCATE ensures that a teacher education degree from Milligan is instantly recognized in Tennessee and the nation for its quality. Milligan College is one of only approximately 600 NCATE institutions nationally. Recent research has shown that graduates from NCATE institutions significantly outperform those from non-NCATE institutions on National Teacher Examinations. Milligan's commitment to meet NCATE standards means that each graduate of teacher education programs gains the knowledge, skills, and dispositions needed for success as a professional educator.

Portfolio

Teacher candidates are required to develop a portfolio documenting their mastery of applicable Milligan College program outcomes. Portfolios are organized around outcome statements based upon Interstate New Teacher Assessment and Support Consortium (INTASC) standards and must be submitted to the Center for Assistance to Students in Education (CASE) during the student teaching semester. Initial and continuing full INTASC admission status is contingent upon periodic review of developing portfolios. Fall semester student teachers must submit portfolios for final review by the first Monday in November; spring semester student teachers must submit portfolios by the first Monday in April. Students failing to meet these deadlines will receive a grade of "Incomplete" in EDUC 460 Capstone Seminar. This grade of "Incomplete" will delay graduation, program completion, and recommendation for licensure.

Student teaching

Approval to student teach is granted only to teacher candidates who have been fully admitted to the professional level of the teacher education program and who maintain eligibility at that level. In addition to meeting established minimum grade point averages and Tennessee-approved PPST scores, approval to student teach requires:

1. Maintaining a minimum overall 2.75 grade point average;
2. Earning a minimum grade of C-minus in all courses in the academic major;
3. Earning a minimum grade of C-minus in all required teacher education courses in the program of study;
4. Obtaining liability insurance;
5. Verification of CPR and/or first aid proficiency;
6. Documentation of emerging teaching competencies in a portfolio; and
7. Positive review by the Admission and Retention Committee.

The application deadline for fall semester student teaching is the first Monday in February. The application deadline for spring semester student teaching is the first Monday in October. Applications processed after these deadlines will incur a substantial late placement fee.

The candidate should expect to take no more than thirteen hours of credit (12 hours of student teaching and one hour of the capstone seminar) during the student teaching semester. Employment and other substantial extracurricular activities during the student teaching semester are strongly discouraged. As a part of the student teaching approval process, the director of teacher education will determine that all prerequisite course work is completed and that any course work remaining to complete the Milligan College B.A. or B.S. program may reasonably be completed in one remaining semester. Prerequisite course work includes all professional level education courses and all courses in the academic major. Candidates pursuing licensure in two or more areas (i.e., middle grades and early childhood education) can expect an extended student teaching experience, possibly in a subsequent semester.

Student teaching is an experience in instruction, assessment, and classroom management in an assigned partner school, combined with initial orientation classes and periodic evening workshops and seminars. Student teacher experience placements will be made with partner school systems located near Milligan College in order to maintain proper supervision levels and the integrity of the teacher education program. The student teaching assignment typically involves experience at two grade levels during the fifteen-week period. During the student teaching semester, candidates observe the schedule of the assigned partner school instead of the Milligan College schedule. Absences for reasons other than documented illness or family emergency are strongly discouraged. Excessive absences may result in an extension of the student teaching experience after completion of the Milligan College semester. Successful completion of student teaching is a condition of graduation from Milligan College with recommendation for licensure.

PRAXIS II

Candidates completing any teacher education program are required to take the PRAXIS II test "Principles of Learning and Teaching" and appropriate Specialty Area Tests. Tennessee publishes a list of the required Specialty Area Tests and passing scores for each licensure area. This list is available in the Center for Assistance to Students in Education (CASE). Graduation does not guarantee licensure. Any teacher candidate who fails to meet passing Tennessee scores on all required PRAXIS II tests and subtests is not a program completer, cannot be recommend by Milligan College for licensure, nor can be issued a diploma until the student receives a passing grade.

Center for Assistance to Students in Education (CASE)

The *Center for Assistance to Students in Education (CASE)* provides coordinated assistance and support to students seeking professional teacher licensure at Milligan College. Located in the Teacher Education Curriculum Center, CASE attends to several critical functions throughout the various undergraduate and graduate teacher education programs of study. Accountability checkpoints have been established from initial contact with potential teacher candidates through post-graduation, and post-licensure follow-up contacts. Academic advisement, field placements, mentoring, performance assessment and portfolio development, completion of graduation and licensure requirements, assistance with induction into initial employment and if necessary, tutoring and counseling are coordinated by and through CASE.

Curriculum Center and Paul Clark Teacher Education Center

The Curriculum Center houses a collection of textbooks, instructional materials (including games and manipulative devices), curriculum guides, professional books, and electronic resources. Also included are audiotapes, videotapes, and educational computer software. A work space where teacher candidates can produce materials for learning centers and bulletin boards is a part of the Center as well as a laminator, a lettering machine, a transparency maker, and various consumable supplies for the production of such materials. Also housed in the Curriculum Center are digital cameras, videocassette recorders, and several camcorders. Computer terminals also provide electronic access to the P. H. Welshimer Library and other resources via the Internet. The Paul Clark Teacher Education Center includes a technology classroom and conference room. Located adjacent to the curriculum center and CASE, the Paul Clark facility provides a model environment for professional education studies.

Library

The P. H. Welshimer Library supports the academic program by providing research materials in all subject areas. More than 100 journals and periodicals are included in the Education Index and the Current Index to Journals in Education. The Library holds the collection of Educational Resources Information Center (ERIC) documents on microfiche from 1980 through the present and indexing to all ERIC documents from 1966 to the present. The Library also subscribes to EasyNet gateway service that gives faculty and students access to over 850 databases. Membership in the Southeastern Library Network gives access to the inter-library loan sub-system.

The Library participates in resource-sharing agreements with the libraries of Emmanuel School of Religion, East Tennessee State University (main campus and medical school), and Holston Associated Libraries, Inc. (HAL). HAL consists of Milligan and five additional libraries in the region. The computer system displays in each library the holdings of all six libraries in a shared catalog as well as the due dates for materials that are checked out of each library. Materials are readily lent among the libraries. Many additional features of the system enhance information exchange and resource sharing. Through these agreements, Milligan students have access to many materials beyond the considerable holdings of the P. H. Welshimer Library.

Undergraduate initial licensure programs

Milligan College students may pursue initial professional teaching licensure in early childhood education (PreK-grade 4); middle grades education (grades 5-8); secondary education (grades 7-12); K-12 specialization programs in music, physical education, and theatre; and special education (modified and comprehensive K-12). Milligan College has voluntarily suspended the special education licensure program due to limited demand for the program; new students will not be admitted until further notice. Licensure in other areas is available at either the undergraduate or the graduate level. Students planning to pursue teaching at the elementary school level should pursue programs of study in either early childhood education, middle grades education, or both. Students in all initial licensure programs must demonstrate proficiency in CPR and/or first aid.

All students pursuing teaching licensure must complete a Milligan College major in a field other than education. Those pursuing licensure in early childhood and special education must also complete one of two available educational studies minors. The content of these minors varies slightly, ranging from 20 to 26 credit hours. Details are provided in the licensure descriptions below.

Available areas of emphasis for middle grades licensure are history, humanities, language arts, mathematics and science.

*Enrollment in the special education program is currently suspended.

Early childhood education licensure

Academic Major (Minor)	Licensure (Grade Level)	Available Degree Programs B. A.	B. S.	M. Ed.
Early Childhood Development (Ed. Studies: ECE)	Early Child. Ed. (PreK-4)	x	x	x
Humanities	Middle Grades (5-8)	x		x
Biology	Middle Grades (5-8)		x	x
History	Middle Grades (5-8)	x		x
Language Arts	Middle Grades (5-8)	x		
Mathematics	Middle Grades (5-8)	x	x	x
Biology	Biology (7-12)	x	x	x
Chemistry	Chemistry (7-12)	x	x	x
English	English (7-12)	x		x
History	History (7-12)	x		x
History (Economics)	History (7-12) and Economics (7-12)	x		x
History (Political Science)	History (7-12) and Government (7-12)	x		x
(French)	French (7-12)	x		x
(Spanish)	Spanish (7-12)	x		x
Mathematics	Mathematics (7-12)		x	x
Psychology	Psychology (9-12)	x	x	x
Sociology	Sociology (9-12)	x	x	x
Music Education	Music (K-12 Vocal & General)	x		x
Music Education	Music (K-12 Instrumental)	x		x
Fine Arts - Theatre	Theatre (K-12)	x		x
Human Performance and Exercise Science	Physical Education (K-12)	x	x	x
Psychology (Ed Studies: Spec. Education)	Special Education* (K-12 Mod. & Comp.)			x

The early childhood education licensure program includes (1) general education courses, (2) the required early childhood development major, (3) the educational studies: early childhood minor, and (4) professional level education courses.

These courses and related experiences were developed by the Milligan College faculty in response to lists of required knowledge, skill, and disposition outcomes developed by the Tennessee Department of Education, the National Council for the Accreditation of Teacher Education (NCATE), and the Interstate New Teacher Assessment and Support Consortium (INTASC). Verification of CPR and/or first aid competency is required for licensure.

General education requirements

ART 441 Fine Arts Methods (3 hrs)
BIBL 123 Old Testament Survey (3 hrs)
BIBL 124 New Testament Survey (3 hrs)
BIBL 471 Christ and Culture (3 hrs)
BIOL 110 General Biology (4 hrs)
COMM 102 Speech Communication (3 hrs)
GEOG 202 Developing World: Human Geography (3 hrs)
HIST 209 United States History Survey I (3 hrs)
HPXS 101 Fitness for Life (1 hr) and one hour of physical education activity (1 hr)
HUMN 101 Humanities (6 hrs)
HUMN 102 Humanities (6 hrs)
HUMN 201 Humanities (6 hrs)
HUMN 202 Humanities (6 hrs)
MATH 153 Fundamental Concepts I (3 hrs)
MATH 253 Fundamental Concepts II (3 hrs)
PHYS 104 Earth and Space Science (4 hrs)
PSYC 100 Introduction to College and Calling (1 hr)
PSYC 253 Child Development (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)

Early childhood development major (35 hrs)

EDUC 232 Early Childhood Intervention and Assessment (3 hrs)
EDUC 245 Early Childhood Administration (2 hrs)

EDUC 301 Early Childhood Education (3 hrs)
EDUC 431 Guiding Young Children (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)
SOCL 303 Family (3 hrs)
PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 253 Child Development (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 357 Introduction to the Theory and Practice of Counseling (3 hrs)
PSYC 422 Learning and Memory (3 hrs)

Educational studies: early childhood minor (23 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 232 Early Childhood Intervention and Assessment (3 hrs)
EDUC 245 Early Childhood Administration (2 hrs)
EDUC 301 Early Childhood Education (3 hrs)
EDUC 355 Literacy Development (3 hrs)
ENGL 354 Children's Literature (3 hrs)
MATH 153 Fundamental Concepts I (3 hrs)
MATH 253 Fundamental Concepts II (3 hrs)

Professional level education requirements

ART 441 Fine Arts Methods (3 hrs)
BIOL 350 Science Methods (3 hrs)
EDUC 355 Literacy Development (3 hrs)
EDUC 356 Reading Processes with Assessment and Intervention (3 hrs)
EDUC 431 Guiding Young Children (3 hrs)
EDUC 441 Program Planning for Young Children (5 hrs)
EDUC 452 Student Teaching: Early Childhood (3, 6, or 12 hrs)
EDUC 460 Capstone Seminar (1 hr)
ENGL 354 Children's Literature (3 hrs)
HPXS 440 Health and Physical Education Methods (3 hrs)

Students who major in early childhood development and who seek a non-licensure baccalauteate degree will substitute EDUC 343 for 452.

The following courses are scheduled in blocks to facilitate integration of field expetiences: EDUC 355, 356, and English 354 (Spring only); EDUC 431 and 441 (Fall only). Enrollment in these courses separately is strongly discouraged and requires priot permission of the instructor. Early childhood education students have as their academic advisers faculty members in teacher education and psychology.

Middle grades education licensure

The middle grades education licensure program includes (1) general education courses; (2) professional level education courses; and (3) a major in biology, history, humanities, language arts, or mathematics. Middle grades education students have as their academic advisers faculty members in teacher education and their chosen academic major.

General education requirements

BIBL 123 Old Testament Survey (3 hrs)
BIBL 124 New Testameny Survey (3 hrs)
BIBL 471 Christ and Culture (3 hrs)
BIOL 110 General Biology (4 hrs) or 111 Principles of Biology (4 hrs)
COMM 102 Speech Communication (3 hrs)
GEOG 202 Developing World: Human Geography (3 hrs)
HPXS 101 and one hour of physical education activities
HUMN 101 Humanities (6 hrs)
HUMN 102 Humanities (6 hrs)
HUMN 201 Humanities (6 hrs)
HUMN 202 Humanities (6 hrs)
PHYS 104 Earth and Space Science (4 hrs)
PSYC 100 Introduction to College and Calling (1 hr)
PSYC 253 Child Development (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)

Two courses from:
MATH 107 Principles of Mathematics (3 hrs)
MATH 111 College Algebra I (3 hrs)
MATH 213 Statistics (3 hrs)

Required pre-professional level education courses (15 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
HIST 209 United States History Survey I (3 hrs)
HIST 210 United States History Survey II (3 hrs)
MATH 111 College Algebra I (3 hrs)

Professional level education courses (40 hrs)

ART 441 Fine Arts Methods (3 hrs)
BIOL 350 Science Methods (3 hrs)
EDUC 306 Middle Grades Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods (3 hrs)
EDUC 426 Middle Grades Language Arts (4 hrs)
EDUC 453 Student Teaching: Middle Grades (3, 6 or 12 hrs)
EDUC 460 Capstone Seminar (1 hr)
ENGL 354 Children's Literature (3 hrs)
HPXS 440 Health and Physical Education Methods (3 hrs)
MATH 353 Math Methods (2 hrs)

Major in biology, history, humanities, language arts or mathematics for middle grades licensure

Biology major - B.A. or B.S.

The biology major for middle grades licensure in general science must be accompanied by an approved concentration outside the area of science for licensure purposes. Students should see their advisers for requirements in a concentration. Middle grades licensure in general science is best served by following the modified biology major for allied health program.

Biology majors must complete MATH 111 and 213 to satisfy the mathematics requirements for the general education and pre-professional level requirements. Other required courses include:

BIOL 110 General Biology (4 hrs) or BIOL 111 Principles of Biology (4 hrs)
BIOL 112 Principles of Biology (4 hrs)
BIOL 202 Botany (4 hrs)
BIOL 210 Genetics (4 hrs)
BIOL 250 Anatomy and Physiology (4 hrs) and BIOL 251 Anatomy and Physiology (4 hrs)
OR
BIOL 330 Comparitive Vertebrate Anatomy (4 hrs) and BIOL 340 Animal Physiology (4 hrs)
BIOL 360 Ecology (4 hrs)
CHEM 150 Survey of General Chemistry (4 hrs)
CHEM 151 Organic and Physiological Chemistry for Non-majors (4 hrs)
MATH 213 Statistics (3 hrs)

Four hours of biology at the 300 level or above
The B.A. degree also calls for study of a foreign language through the intermediate level.

History major - B.A. or B.S.

HIST 209 United States History Survey I (3 hrs)
HIST 210 United States History Survey II (3 hrs)
HIST 401 History and Historians (1 hr)
Three hours of non-western courses such as HIST 206 History of Islam (3 hrs), 208 History of the Jews Since 70 A.D. (3 hrs) or 480 Seminar on Vietnam (3 hrs)
Six hours of European history
Six hours selected from HIST 376 Jefferson to Jackson (3 hrs), 377 The Middle Period: 1840-1880 (3 hrs), 379 The Gilded Age: 1877-1920 (3 hrs) or 380 The United States in the Twentieth Century (3 hrs)
Three hours of history electives (at the 300 level or above)
Six hours from the humanities sequence.
In addition, history majors must complete GEOG 201 Developed World: Regional Geography (3 hrs) and 202 Developing World: Human Geography (3 hrs) and SOCL 210 Introduction to Cultural Anthropology (3 hrs)
The B.A. degree also calls for study of a foreign language through the intermediate level.

For middle grade licensure purposes, the history major must be accompanied by an approved concentration for middle grades in an area other than social sciences. Students should see their advisers for requirements in concentrations.

Humanities major - B.A.

For persons seeking middle grades licensure, the humanities major offers a great deal of flexibility. Students who choose the humanities major may select a concentration from among the following: Bible, fine arts, history, foreign language (Spanish or French only) and literature. The specific course of study will be determined in collaboration with the advisers in humanities and teacher education.
HUMN 101 Humanities (6 hrs)
HUMN 102 Humanities (6 hrs)
HUMN 201 Humanities (6 hrs)
HUMN 202 Humanities (6 hrs)
HIST 209 United States History Survey I (3 hrs)
HIST 210 United States History Survey II (3 hrs)
HUMN 490 Reading and Research in Humane Learning (1-6 hrs)
Fifteen hours of 300-400 level courses from one or more of the specializations listed above.
As a B.A. degree, six hours of a single foreign language through the intermediate level is also required.

With advisement, this major may satisfy the better part of the "two concentrations" required for middle grades licensure.

Language arts major - B.A.

HUMN 201 Humanities (6 hrs) or the equivalent
HUMN 202 Humanities (6 hrs) or the equivalent
FREN 211 Intermediate French (3 hrs) and FREN 212 Intermediate French (3 hrs) or equivalent OR
SPAN 211 Intermediate Spanish (3 hrs) and SPAN 212 Intermediate Spanish (3 hrs) or equivalent
ENGL 304 Survey of American Literature (3 hrs)
ENGL 311 Advanced Grammar (3 hrs)
ENGL 354 Children's Literature (3 hrs)
ENGL 402 Short Story (3 hrs)
ENGL 460 Elizabethan Drama (3 hrs) or 461 Jacobean Drama (3 hrs)
Six hours of language arts electives at 300 level or above.

The language arts major must be accompanied by an approved concentration outside the area of language arts for licensure purposes. Students should see their advisers for requirements in concentrations.

Mathematics major - B.A. or B.S.

MATH 211 Calculus I (4 hrs)
MATH 212 Calculus II (4 hrs)
MATH 213 Statistics (3 hrs)
MATH 214 Discrete Mathematics (3 hrs)
MATH 301 An Introduction to Mathematical Logic (3 hrs)
MATH 303 Multivariable Calculus (4 hrs)
MATH 304 Modern Geometry (3 hrs)
MATH 307 Linear Algebra (3 hrs)
MATH 308 Modern Algebra (3 hrs)
MATH 309 Differential Equations (3 hrs)
MATH 495 Seminar (1-3 hrs)
Mathematics majors must complete MATH 111 College Algebra I (3 hrs) and 213 Statistics (3 hrs) to satisfy the mathematics requirements for the general education and pre-professional level requirements.
The B.A. degree also calls for study of a foreign language through the intermediate level.

The mathematics major must be accompanied by an approved concentration, other than mathematics, for licensure purposes.

Middle grades concentrations

Students who choose a major in biology, history, language arts, or mathematics must choose a second concentration from the following: Bible, humanities, language arts, mathematics, science, or social science.

Social Science

Humanities	6 hrs
History 209 and 210	6 hrs
Geography 202	3 hrs
Elective at 300 level or above	3 hrs
Total	18 hrs

Language Arts

Humanities	6 hrs
English 354	3 hrs
Education 426	4 hrs
English 305 or 402	3 hrs
Elective	3 hrs
Total	19 hrs

Humanities

Humanities	6 hrs
Foreign language*	6 hrs
Bible 471	3 hrs
English 354	3 hrs
Total	18 hrs
*Intermediate level or above	

Bible

Bible 123 and 124	6 hrs
Bible 201	3 hrs
Bible 211	3 hrs
Bible 471	3 hrs
Elective at 300 level or above	3 hrs
Total	18 hrs

Mathematics

Mathematics 111	3 hrs
Mathematics 112	3 hrs
Mathematics 211	4 hrs
Mathematics 212	4 hrs
Mathematics 213	3 hrs
Mathematics 353	2 hrs
Total	19 hrs

Science

Biology 111 and 112	8 hrs
Physics 104	4 hrs
Biology 350	3 hrs
Elective chosen from Biology 210 or 360 or Chemistry 150 or 151	3-4 hrs
Total	18-19

These courses were developed by the Milligan College faculty in response to lists of required knowledge, skill, and disposition outcomes developed by the Tennessee Department of Education, the National Council for the Accreditation of Teacher Education (NCATE), the Interstate New Teacher Assessment and Support Consortium (INTASC), and the National Middle School Association (NMSA). Verification of CPR and/or first and competency is required for licensure.

Middle grades licensure requires two subjects or content "concentrations" in subjects typically taught in middle schools. These concentrations are accomplished through an approved academic major (providing at least one concentration) and, if necessary, a second concentration accomplished through a minor or a concentration from the following list. The concentration lists below represent minimum acceptable course work. Selection of the major and the accompanying concentration must be made with advisement from a teacher education faculty member. Not all major/concentration combinations are acceptable.

Secondary education licensure

The programs for licensure in secondary education are designed for persons interested in teaching in grades seven through twelve. Secondary licensure may be completed with the **Bachelor of Science** degree (selected majors) or the **Bachelor of Arts** degree (foreign language through the intetmediate level required).

Candidates completing the licensure program complete (1) general education courses; (2) professional level education courses; and (3) an academic major and an academic minor. The following are available secondary licensure areas: **biology, chemistry, English, French, history, mathematics, psychology, sociology,** and **Spanish.**

General education requirements

BIBL 123 Old Testament Survey (3 hrs)
BIBL 124 New Testament Survey (3 hrs)
BIBL 471 Christ and Culture (3 hrs)
BIOL 110 General Biology (4 hrs) or 111 Principles of Biology (4 hrs)
COMM 102 Speech Communication (3 hrs)
GEOG 202 Developing World: Human Geography (3 hrs)
HPXS 101 Fitness for Life (1 hr) and one hour of physical education activities (1 hr)
HUMN 101 Humanities (6 hrs)
HUMN 102 Humanities (6 hrs)
HUMN 201 Humanities (6 hrs)
HUMN 202 Humanities (6 hrs)
PHYS 104 Earth and Space Science (4 hrs)
PSYC 100 Introduction to College and Calling (1 hr)
PSYC 253 Child Development (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)

Two courses from:
MATH 107 Principles of Mathematics (3 hrs)
MATH 111 College Algebra I (3 hrs)
MATH 213 Statistics (3 hrs)

Required pre-professional level education courses

In addition to the general education requirements and those of a major and minor, licensure in secondary education requires completion of the following introductory and professional level education courses:

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 308 Secondary School Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 408 Secondary Education Methods (3 hrs)
EDUC 454 Student Teaching: Secondary (3, 6, or 12 hrs)
EDUC 460 Capstone Seminar (1 hr)
EDUC 471 Materials and Methods (2 hrs)

Verification of CPR and/or first aid competency is required for licensure.

The following courses are scheduled in blocks to facilitate integration of field experiences: EDUC 408 and 471 (Spring only). Enrollment in these courses separately is strongly discouraged and requires prior permission of the instructor. Secondary education students have as their academic advisers faculty members in teacher education and their chosen academic major.

Secondary education licensure areas

Biology

BIOL 111 Principles of Biology (4 hrs)
BIOL 112 Principles of Biology (4 hrs)
BIOL 202 Botany (4 hrs)
BIOL 210 Genetics (4 hrs)
BIOL 360 Ecology (4 hrs)
BIOL 380 Microbiology and Immunology (4 hrs)
Eight (8) hours of biology electives.
In addition, they must complete the ***physical science minor***, which consists of CHEM 151 Organic and Physiological Chemistry for Non-Majors (4 hrs), 170 General Chemistry (4 hrs), 171 General Chemistry (4 hrs); PHYS 104 Earth and Space Science (4 hrs) and 203 General Physics/Calculus (4 hrs); MATH 211 Calculus I (4 hrs) OR MATH 111 College Alegbra I (3 hrs) and either 112 College Algebra II and Trigonometry (3 hrs) or 213 Statistics (3 hrs)

Chemistry

CHEM 170 General Chemistry (4 hrs)
CHEM 171 General Chemistry (4 hrs)
CHEM 202 Quantitative Analysis (4 hrs)
CHEM 203 Instrumental Analysis (4 hrs)
CHEM 301 Organic Chemistry (4 hrs)
CHEM 302 Organic Chemistry (4 hrs)
CHEM 310 Biochemistry (5 hrs)
CHEM 311 Organic Qualitative Analysis (4 hrs)
CHEM 405 Advanced Inorganic Chemistry (4 hrs)
4-hour chemistry elective
MATH 211 Calculus I (4 hrs) OR 111 College Alegebra I (3 hrs) and 213 Statistics (3 hrs)

English

ENGL 304 or 305 Survey of American Literature (3 hrs each)
ENGL 311 Advanced Grammar (3 hrs)
ENGL 361 Novel (3 hrs)
ENGL 402 Short Story (3 hrs)
ENGL 460 Elizabethan Drama (3 hrs) or 461 Jacobean Drama (3 hrs)
Six hours of world literature from the humanities sequence
Nine hours of English electives at the 300 level or above
The following six hours of theatre may be substituted for six hours of English electives: THEA 242 Fundamentals of Acting (3 hrs) and 340 Fundamentals of Directing (3 hrs).
Any 3- or 4-hour math course for math requirement in GER

French

FREN 301 Advanced Conversation and Composition (3 hrs)
FREN 302 Advanced Conversation and Composition (3 hrs)
FREN 311 Survey of French Literature I (3 hrs)
FREN 312 Survey of French Literature II (3 hrs)
FREN 401 French Civilization and Culture I (3 hrs)
FREN 402 French Civilization and Culture II (3 hrs)
ENGL 312 Introduction to Linguistics (3 hrs)
HUMN 490 Reading and Research in Humane Learning (1-6 hrs)
Any 3- or 4-hour math course for math requirement in GER

History

HIST 209 United States History Survey I (3 hrs)
HIST 210 United States History Survey II (3 hrs)
HIST 401 History and Historians (1 hr)
Six hours of history from the humanities sequence
Three hours of world/non-western history selected from HIST 206 History of Islam (3 hrs), 208 History of the Jews Since 1970 A.D. (3 hrs), 480 Seminar on Vietnam (3 hrs) or similar courses
Six hours of European history
Six hours selected from HIST 376 Jefferson to Jackson (3 hrs), 377 The Middle Period: 1840-1880 (3 hrs), 379 The Gilded Age: 1877-1920 (3 hrs), or 380 The United States in the Twentieth Century (3 hrs)
Three hours of history electives
GEOG 201 Developed World: Regional Geography (3 hrs)
GEOG 202 Developing World: Human Geography (3 hrs)
SOCL 210 Introduction to Cultural Anthropology (3 hrs)
Any 3- or 4-hour math course for math requirement in GER
Students pursuing secondary history licensure may add endorsements in economics or government (political science) by completing either economics or political science minors.

Mathematics

MATH 211 Calculus I (4 hrs)
MATH 212 Calculus II (4 hrs)
MATH 213 Statistics (3 hrs)
MATH 214 Discrete Mathematics (3 hrs)
MATH 301 An Introduction to Mathematical Logic (3 hrs)
MATH 303 Multivariable Calculus (4 hrs)
MATH 304 Modern Geometry (3 hrs)
MATH 307 Linear Algebra (3 hrs)
MATH 308 Modern Algebra (3 hrs)
MATH 309 Differential Equations (3 hrs)
MATH 495 Seminar (3 hrs)

Psychology

Complete the psychology major (general emphasis) with modifications:
PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 253 Child Development (3 hrs)
PSYC 259 Research Methods in Psychology I (3 hrs)
PSYC 350 Social Psychology (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 357 Introduction to the Theory and Practice of Counseling (3 hrs)
PSYC 359 Research Methods in Psychology II (3 hrs)
PSYC 401 History and Systems of Psychology (3 hrs)
PSYC 422 Learning and Memory (3 hrs)
Three hours of psychology electives
MATH 213 Statistics (3 hrs)

Sociology

PSYC 350 Social Psychology (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)
SOCL 210 Introduction to Cultural Anthropology (3 hrs)
SOCL 303 Family (3 hrs)
SOCL 311 Social Problems (3 hrs)
SOCL 312 Gender and Society (3 hrs)
SOCL 314 Race and Ethnic Relations (3 hrs)
SOCL 401 Sociological Research (3 hrs)
SOCL 451 Sociological Theory (3 hrs)
SOCL 491 Field Work in Sociology (3-6 hrs)
Up to nine hours of sociology electives depending upon whether the degree path is bachelor of arts or bachelor of science.
Any 3- or 4-hour math course for math requirement in GER

Spanish

SPAN 301 Advanced Conversation and Composition (3 hrs)
SPAN 302 Advanced Conversation and Composition (3 hrs)
SPAN 311 Survey of Spanish Literature: Iberian (3 hrs)
SPAN 312 Survey of Spanish-American Literature (3 hrs)
SPAN 401 Civilization and Culture of Spain (3 hrs)
SPAN 402 Civilization and Culture of Latin America (3 hrs)
ENGL 312 Introduction to Linguistics (3 hrs)
HUMN 490 Reading and Research in Humane Learning (1-6 hrs)
Any 3- or 4-hour math course for math requirement in GER

K-12 specialty licensure

Milligan offers K-12 teacher education programs in **physical education; music, vocal and general; music, instrumental;** and **theatre.** Introductory and professional level education course requirements are only slightly different from the secondary education programs. Courses and curricula for these programs are listed in subsequent sections of this catalog. Students seeking teacher licensure are required to complete the courses as listed in the following chart:

Special education licensure

Course	Music	Phys. Ed.	Theatre
Education 150	X	X	X
Education 152	X (or Music 211)	X	X
Education 231	X		X
Education 306 or 308			X
Education 406 or 408			X
Education 455	X	X	X
Education 460	X	X	X
HPXS 406		X	
Psychology 252	X	X	X

Milligan College offers a non-categorical special education curriculum with an emphasis in human development and learning. The curriculum combines the knowledge and skills required to meet the Tennessee Guidelines for Modified and Comprehensive Programs. Those who complete the program are prepared to teach children with both mild and severe disabilities in grades K-12.

Milligan College has voluntarily suspended the special education licensure program due to limited demand from students; new students will not be admitted until further notice.

Psychology major / minor in educational studies: special education

Students seeking licensure in special education complete an undergraduate psychology major and a minor in educational studies: special education in preparation for the master of education degree. This psychology major includes the following courses:

SOCL 201 Introduction to Sociology (3 hrs)
SOCL 303 Family (3 hrs)
PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 253 Child Development (3 hrs)
PSYC 259 Research Methods in Psychology I (3 hrs)
PSYC 350 Social Psychology (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 357 Introduction to the Theory and Practice of Counseling (3 hrs)

PSYC 358 Abnormal Psychology (3 hrs)
PSYC 359 Research and Methods in Psychology II (3 hrs)
PSYC 401 History and Systems of Psychology (3 hrs)
PSYC 422 Learning and Memory (3 hrs)

Special education students have as their academic advisers faculty members in psychology and teacher education.

Educational studies: special education minor

MATH 213 Statistics (3 hrs)
MATH 253 Fundamental Concepts II (3 hrs)
ENGL 354 Children's Literature (3 hrs)
HPXS 406 Adapted Physical Education (3 hrs)
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education in Exceptional Children (3 hrs)
EDUC 232 Early Childhood Intervention and Assessment (3 hrs)
EDUC 355 Literacy Development (3 hrs)
EDUC 356 Reading Processes with Assessment and Intervention (3 hrs)

To complete the requirements for licensure, the student completes the M.Ed. initial licensure program in special education.

Course descriptions

EDUC 150. Introduction to Teaching - An orientation to the teaching profession from the perspective of the teacher. The readings and discussions are designed to be an introduction to the current knowledge base related to teaching. Emphasis is given to the characteristics of the caring and reflective teacher. Students will begin a teacher education portfolio in this class. A beginning school- and community-based practicum with related seminars is the focus of the course. Offered every term. Two semester hours.

EDUC 152. Technology in Education - Applications of technology for use in the PreK-12 classroom and for the teacher's record keeping and research. Offered every term. One semester hour.

EDUC 231. Psychology and Education of Exceptional Children - An introduction to the education of exceptional children and the psychological aspects of these exceptionalities. The exceptionalities include giftedness, mental retardation, brain injuries, visual impairment, impaired hearing, speech delays and impairments, autism, and learning disabilities. Includes observation and participation in classrooms where children with special needs are included. Offered fall term. Three semester hours.

EDUC 232. Early Childhood Intervention and Assessment - A study of the following areas: assessment; family participation; IFSPs/IEPs; service delivery models; general curriculum and intervention strategies. More specific interventions covered include: cognitive skills; social skills and emotional development; adaptive behavior skills; motor skills; transition; personnel competence; and program evaluation. Includes observation and participation in classrooms where children with special needs are included. Also includes a study of diversity and its implications for teaching and learning. Offered spring term. Three semester hours.

EDUC 245. Early Childhood Administration - A study of the philosophy, organization, and components of developmentally appropriate early childhood programs. Administration, environmental aspects, staff development, and budget of programs are examined. Offered spring term. Two semester hours.

EDUC 252. Developmental Psychology - A study of the origins of psychological processes and general genetic principles and development of the individual in physical, lingual, social, intellectual, emotional, and personal areas. Offered every term. Three semester hours. Same as PSYC 252.

EDUC 253. Child Development - An in-depth study of the physical, cognitive, social, and emotional development of the child from birth through adolescence. Development, care, and guidance of the child are examined in relationship to major theories of child development. This course is designed for professionals who work with infants and children in a variety of settings. Offered fall term. Three semester hours. Same as PSYC 253.

EDUC 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not currently covered in a single course. Not open to freshmen. One to three semester hours.

EDUC 301. Early Childhood Education - A study of philosophical and theoretical foundations of early childhood. Emphasis is on major theories of child development, especially the constructivist view. Trends and issues are also emphasized. In addition, this course seeks to provide students with concepts that will enable them to be effective in their commitment, sensitivity, resourcefulness, and organizational abilities with young children. Field experience included. Offered spring term. Three semester hours.

EDUC 306. Middle Grades Foundations - History, philosophy, and social foundations of middle grades education. Included are examinations of middle grades organization and curriculum and an overview of teaching assessment and management strategies. Developmental characteristics, learning styles, and typical interests and activities of students in the middle grades are also explored. Field experience included. Offered fall term. Three semester hours.

EDUC 308. Secondary School Foundations - History, philosophy, and social foundations of secondary education. Characteristics of adolescents, legal aspects of teaching, organization of schools, and the curriculum of secondary schools are discussed. Offered fall term. Three semester hours.

EDUC 343. Early Childhood Practicum - A supervised experience lasting for one semester or less in an early childhood setting (birth - age eight). For early childhood development majors who are not seeking professional teaching licensure. Offered on demand. Three to six semester hours.

EDUC 355. Literacy Development - A study of language development, language arts, and reading. Emphasis is given to methods and environments that promote literacy. Direct contact with children in tutorial, small group, and whole group teaching situations is included. Enrollment limited to students admitted to the professional level of the teacher education program. Field experience included. Offered spring term. Three semester hours.

EDUC 356. Reading Processes with Assessment and Intervention - A study of the diagnosis of reading skills and the objectives, methods, and materials for the correction of reading difficulties. Direct contact with children in tutorial and small group teaching situations is included. Enrollment limited to students admitted to the professional level of the teacher education program. Field experience included. Offered spring term. Three semester hours.

EDUC 357. Content Area Reading - A study of approaches and procedures designed to assist students in grades 5 - 12 in becoming adept readers. The primary focus will be on reading and language arts in the curriculum content areas. Building literacy development in students with both

typical and atypical language skills is included. Techniques to modify and expand instruction based upon student development will be examined and discussed. Enrollment limited to students admitted to the professional level of the teacher education program. Field experience included. Co-requisite with EDUC 426 Middle Grades Language Arts for middle grades students. Offered fall term. Three semester hours.

EDUC 406. Middle Grades Curriculum and Methods - A course designed to prepare teacher candidates as effective teachers of various middle grades subjects, with emphases on the social sciences, math, and science. Planning, assessment, and management strategies are presented and practiced. Enrollment limited to students admitted to the professional level of the teacher education program. Substantial field experience included. Offered spring term. Co-requisite with MATY 353 Math Methods. Three semester hours.

EDUC 408. Secondary Education Methods - A course preparing secondary education students to integrate and organize the knowledge of the disciplines to fit the particular needs of high school students. Also emphasizes assessment and classroom management. Enrollment limited to students admitted to the professional level of the teacher education program. Substantial field experience included. Offered spring term. Three semester hours.

EDUC 426. Middle Grades Language Arts - A course designed to prepare teacher candidates as effective teachers of language arts in grades 5 - 8. Strategies and techniques for teaching creative and expository writing, English usage and conventions, spelling, vocabulary development and oral language skills are presented and practiced. Relevant research will be examined. Extensive field experience is involved. Enrollment is limited to students admitted to the professional level of teacher education. Co-requisite with EDUC 357. Offered fall term. Four semester hours.

EDUC 431. Guiding Young Children - A study of skills and techniques for handling behavioral and disciplinary issues of young children. Students create and design creative experiences and activities for children in a variety of professional settings from birth through age eight. Emphasis is on providing a developmentally appropriate environment that fosters social/emotional development. Enrollment limited to students admitted to the professional level of the teacher education program. Field experience included. Offered fall term. Three semester hours.

EDUC 441. Program Planning for Young Children - A study of the educational needs of young children in the cognitive realms of scientific, social, mathematical, and language learning. The focus is on planning and implementing a learning environment that provides hands-on discovery learning where the child is an active participant and decision-maker. Students engage in cooperative learning in planning integrated thematic units and conducting portfolio assessments. Emphasis is given to the integration of the content areas, especially math, science, social studies, and the language arts. Enrollment limited to students admitted to the professional level of the teacher education program. Substantial field experience included. Offered fall term. Five semester hours.

EDUC 452. Student Teaching: Early Childhood - An experience in lesson planning, instruction, and assessment, Grades PreK-4. An extensive orientation prepares the student for student teaching experience (fifteen weeks) that includes the refinement of planning, instruction, and assessment skills in the classroom setting. Approval to student teach required. Concurrent enrollment in EDUC 460 Capstone Seminar required. Offered every term. Three, six, twelve semester hours.

EDUC 453. Student Teaching: Middle Grades - An experience in lesson planning, instruction, and assessment for grades 5-8. An extensive orientation prepares the student for a student teaching experience (typically fifteen weeks) that includes the refinement of planning, instruction, and assessment skills in the classroom setting. Approval to student teach required. Concurrent enrollment in EDUC 460 Capstone Seminar required. Offered every term. Three, six, twelve semester hours.

EDUC 454. Student Teaching: Secondary - An experience in lesson planning, instruction, and assessment for grades 7-12. An extensive orientation prepares the student for a student teaching experience (typically fifteen weeks) that includes the refinement of planning, instruction, and assessment skills in the classroom setting. Approval to student teach required. Concurrent enrollment in EDUC 460 Capstone Seminar required. Offered every term. Three, six, twelve semester hours.

EDUC 455. Student Teaching: K-12 - An experience in lesson planning, instruction, and assessment for grades K-12. An extensive orientation prepares the student for a student teaching experience (typically fifteen weeks) in K-12 specialty programs that includes the refinement of planning, instruction, and assessment skills in the classroom setting. Approval to student teach is required. Concurrent enrollment in EDUC 460 Capstone Seminar required. Offered every term. Three, six, twelve semester hours.

EDUC 456. Teaching Practicum - A supervised practicum in lesson planning, instruction, and assessment for grades PreK-12. Designed for post-baccalaureate students seeking an additional endorsement or interim license. Does not substitute for student teaching. Offered on demand. Three, six, twelve semester hours.

EDUC 460. Capstone Seminar - A capstone seminar designed to promote reflection, in-depth discussion, and collaborative action research. Designed to integrate all elements of the program, document program outcomes in the candidate portfolio, and verify program completion. Also includes topical presentations by Milligan and partner school faculty. Enrollment is limited to students admitted to the professional level of the teacher education program and approved to student teach. Co-requisite with student teaching. Offered every term. One semester hour.

EDUC 471. Materials and Methods in Specific Subject Areas - Courses in materials and methods in the specific subject matter areas in which Milligan College offers secondary teacher education programs. Enrollment limited to students admitted to the professional level of the teacher education program. Substantial field experience included. Offered spring term. Two semester hours.

EDUC 489. Directed Readings - A supervised program of reading and research that provides for study of material not included in the regular course offerings. One to three semester hours.

EDUC 490. Directed Studies - A program of readings and conferences that provides for individualized study. One to three semester hours.

EDUC 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Education: Master of Education program (M.Ed.)

Area of Education

Initial licensure

The master of education (M.Ed.) program includes both initial licensure and advanced degree options. The initial licensure degree is typically a fifteen-month professional educational program that prepares teachers for the high level of competence expected by public and private educational institutions. The initial licensure and advanced programs increase both the quality and quantity of the educational experiences for teachers in professional education.

The M.Ed. initial licensure program is designed for students who have a baccalaureate degree with a strong general education component and one or more specialty or endorsement areas (or majors). This program consists of 46 to 47 semester hours. Available areas of licensure are essentially the same as those listed above for the undergraduate education program. Candidates may finish the M.Ed. program in two summers and one academic year (i.e. fifteen months). Students may also choose to extend course work beyond the typical fifteen-month period.

The master of education initial licensure program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.

- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The primary goal of the M.Ed. program at Milligan College is to produce caring and reflective professional educators who will affect the lives of children in a markedly positive manner. Specific student outcomes for the initial licensure program, based upon standards of the Interstate New Teacher Assessment and Support Consortium (INTASC), are as follows: (1) The teacher candidate understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and can create learning experiences that make these aspects of subject matter meaningful for students; (2) The teacher candidate understands how children learn and develop and can provide learning opportunities that support children's intellectual, social, and personal development; (3) The teacher candidate understands how students differ in their approaches to learning and creates instructional opportunities that are adapted to diverse learners; (4) The teacher candidate understands and uses a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills; (5) The teachet candidate uses an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation; (6) The teacher candidate uses knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom; (7) The teacher candidate plans instruction based upon the knowledge of subject matter, students, the community, and curriculum goals; (8) The teacher candidate understands and uses formal and informal assessment strategies to evaluate and ensure the continuous intellectual and social development of the learner; (9) The teacher candidate is a reflective practitioner who continually evaluates the effects of his/her choices and actions on others (students, parents, and other professionals in the learning community) and who actively seeks out opportunities to grow professionally; (10) The teacher candidate fosters relationships with school colleagues, parents, and agencies in the larger community to support students' learning and well-being; (11) The teacher candidate combines Christian values, knowledge, and interpersonal skills to reflect the attributes of a Christian educator, ensuring maximum group and individual learning. The Teacher as a Reflective and Caring Person - Milligan College Model.

Portfolio

Students in all graduate degree-seeking programs are required to develop a portfolio documenting their mastery of applicable Milligan College graduate program outcomes. Initial and continuing candidacy status is contingent upon periodic review of developing portfolios. August and May graduates must submit the completed portfolio to the Center for Assistance to Students in Education (CASE) by the first Monday in April. December graduates must submit the completed portfolio to CASE by the first Monday in November. Students failing to meet this deadline will not receive a passing grade in Education 560 Advanced Capstone Seminar until the portfolio requirement is fully met. Portfolio development and review will continue through the spring semester.

Financial information

Graduate tuition is $260 per semester hour for the 2003-2004 academic year. A non-refundable application fee of $30.00 is required with the application. Modest student fees accompany certain courses in the program. Students will also incur modest expenses for formal testing required for admission to the program (MAT or GRE) and licensure (PRAXIS II), liability insurance, and verification of CPR and/or first aid proficiency. For information regarding financial aid, please refer to the financial aid section of the catalog.

Admission to the graduate school

Unconditional admission

The minimum requirements for unconditional admission to the M.Ed. program are as follows:

1. An undergraduate degree with a minimum overall undergraduate grade point average of at least 2.75. An applicant whose baccalaureate degree is from an institution not accredited by a regional accrediting association or the American Association of Bible Colleges must submit acceptable scores on the Miller Analogies Test as described above and other evidence acceptable to the academic dean and the director of teacher education.

2. An established minimum score on the Miller Analogies Test (35th percentile, National Norms) or the Graduate Record Examination (750 combined verbal and qualitative scores).

3. Two official copies of transcript(s) from each institution attended showing all credits and degrees previously earned.

4. Two completed reference forms from faculty members or other persons who have adequate knowledge of the applicant's Christian commitment and character and potential for success as a graduate student and professional educator.

5. Evidence of written language competency through an established examination process.

6. A positive recommendation from the Graduate Admissions and Retention Committee based upon a review of the application file and an admissions interview.

Students who do not meet the above requirements may be admitted in one of the following categories:

Conditional admission

The minimum requirements for conditional admission are as follows:

1. An undergraduate degree with a minimum overall undergraduate grade point average of 2.5. An applicant whose baccalaureate degree is from a program not accredited by a regional accrediting association or the American Association of Bible Colleges must submit acceptable scores on the Miller Analogies Test as described above and other evidence acceptable to the academic dean and the director of teacher education.

2. A Miller Analogies Test score above the 25th percentile or a Graduate Record Examination score above 650 (combined verbal and qualitative scores).

3. Two official copies of transcript(s) from each institution attended showing all credits and degrees previously earned.

4. Two completed reference forms from faculty members or other persons who have adequate knowledge of the applicant's Christian commitment and character and potential for success as a graduate student and professional educator.

5. Conditional admission may be changed to unconditional admission if the student achieves a grade point average of 3.0 on the first nine hours of Milligan College graduate study.

6. Evidence of written language competency through an established examination process.

7. A positive recommendation from the Graduate Admissions and Retention Committee based upon a review of the application file and an admissions interview.

Special enrollment

Designated for students whose goal is to be accepted into the M.Ed. program as degree seeking, licensure only, or additional endorsement student but do not meet the admissions standards (e.g. youthful college GPA). Upon completion of special arrangements made by M.Ed. Graduate Admissions and Retention Committee, the student may re-enter the admissions process. This status enables a student to enroll for graduate credit, but it does not guarantee that such credit will be counted toward degree objectives. When the dean and the director of teacher education have reclassified a student in special enrollment status to conditional or unconditional admission at Milligan College, a maximum of nine semester hours of special enrollment credit may be counted toward a degree objective.

Transient enrollment

Transient enrollment may be granted to students who are enrolled in another graduate program or who are seeking professional development. Each applicant must provide the Graduate Admissions Office with a completed application for admission. Students who are enrolled in another graduate program must also supply a letter of approval from the dean or registrar of the student's home institution.

Graduate admissions and retention committee

Admission to the program is determined by the Graduate Admissions and Retention Committee, which is composed of Teacher Education faculty and three non-Teacher Education faculty. The Academic dean makes all appointments to the M.Ed. Graduate Admissions and Retention Committee.

Admission to candidacy

Graduate students must make application for admission to candidacy in the semester immediately following the completion of nine semester hours of graduate credit at Milligan College. A teacher education faculty screening process will determine admission to candidacy. If application is not made at this time, the student may not be permitted to register for subsequent course work until the application is received and approved. Admission to candidacy also provides approval for internship placement. The requirements that must be met before approval of admission to candidacy are as follows:

1. Achievement of unconditional admission.

2. Completion of at least nine semester hours of graduate credit at Milligan College with a minimum grade point average of 3.0.

3. Completion of undergraduate requirements for teacher licensure (or equivalent) as follows:

   Early childhood education: (1) a basic pattern of liberal arts courses to assure licensure (two courses in language or literature; two courses in social studies; two courses in science (with labs); and two courses in math); (2) course work in early childhood education or child development

   or

   Middle grades education: (1) a basic pattern of liberal arts courses to assure licensure (two courses in language or literature; two courses in social studies; two courses in science (with labs); and two courses in math); (2) two areas of middle grades specialization; (3) methods courses in reading and mathematics

   or

   Secondary education: (1) basic pattern of liberal arts courses to assure licensure; (2) specific courses in endorsement areas to assure content competency.

Retention standards and probationary status

When a student's cumulative average on courses applied toward the graduate degree falls below 3.0, the student may be permitted one semester of probationary standing in which to raise the average sufficiently. If the semester average on all courses taken during any semester falls below 2.0, the teacher education faculty will review the student's record for possible dismissal from the M.Ed. program. Students earning C or below in more than six hours of credit will be considered by the teacher education faculty for possible probation or dismissal. Probationary status may also result from behaviors and/or dispositions considered as unprofessional, including but not limited to absenteeism, tardiness, interpersonal conflict, disposition, or disrespectful behavior directed toward peers, colleagues, school personnel, or children. Behavior also must be consistent with the Milligan College Mission Statement and Goals.

Appeals and reinstatement

A student who is dismissed may be reinstated upon recommendation of the Graduate Admissions and Retention Committee. Reinstatement is not automatic. The student must consult with the committee chair, who will submit a recommendation to the director of teacher education for a decision by the teacher education faculty. Appeals may be made on dismissal, denial of reinstatement, or any issue related to master of education program requirements. The student must submit a written petition to the Graduate Admissions and Retention Committee requesting reconsideration of the decision. The student will be notified when the petition will be brought before the teacher education faculty and will have an opportunity to appear in person. The student will be promptly notified in writing of the faculty's decision.

Center for Assistance to Students in Education (CASE)

(See above section, "Education: Licensure Programs" for a description of the Center for Assistance to Students in Education [CASE].)

Licensure programs (non-degree)

A student with a baccalaureate degree who is seeking teacher licensure must be admitted to the initial licensure graduate program. The student can prepare for licensure by completing courses that lead to a M.Ed. degree or by completing a carefully planned licensure program that does not result in a degree. The Miller Analogies Test or Graduate Record Examination is waived for licensed teachers who enter the graduate advanced licensure program for the sole purpose of adding endorsements and are not seeking the degree. All students pursuing degree completion must meet candidacy requirements noted above. Graduation and completion of the Milligan program of study does not guarantee licensure. Milligan College cannot recommend for licensure any teacher candidate who has failed to meet minimum passing Tennessee scores in all required PRAXIS II tests and subtests.

Special student status for licensure seekers

Persons seeking graduate admission to complete a teacher licensure program sometimes have a baccalaureate degree with a college grade point average that does not meet the College admission standards. The Graduate Admissions and Retention Committee requires at least conditional admission status for the student to enter the licensure seeking status. A student in this circumstance may, after an interview with the director of teacher education, enter as a special student to complete no more than fifteen hours with at least a 2.75 grade point average while he or she is seeking conditional or unconditional admission status with the College.
The student must submit a completed application, a letter requesting special student status, and two full sets of transcripts to the Graduate Admissions Office. When this student is qualified for either conditional or unconditional admission, the teacher education faculty, in consultation with the director of teacher education and/or the chair of the Graduate Admissions and Retention Committee, act on the request for admission.

Licensure examinations (PRAXIS II)

Students who have not taken the PRAXIS II "Principles of Learning and Teaching" and appropriate Specialty Area Examinations must complete these examinations during their program(s) of study. Due to limited test annual dates, students are urged to complete required testing as early as possible in their programs of study. Based upon the assumption that academic content has already been mastered in the student's baccalaureate degree program, it is recommended that all required Specialty Area Examinations be completed no later than November. Milligan College cannot recommend licensure for any candidate who has failed to attain Tennessee approved scores on all required licensure tests. Candidates will not be considered program completers until minimum scores have been attained on all required licensure tests. A passing grade will not be awarded in EDUC 560, Advanced Capstone Seminar, until all minimum scores are met. Failure to pass the Capstone Seminar will also delay graduation until acceptable test scores are achieved.

Transfer credit

A maximum of six semester hours of graduate credit in acceptable areas of study may be considered by the Graduate Admissions and Retention Committee for transfer from other approved institutions to the Milligan College M.Ed. degree program.

Enrollment of undergraduates in graduate courses or graduate students in undergraduate courses

Graduate students or undergraduate students at the junior and senior level may choose to take courses at the graduate or undergraduate level in areas which are comparable and are supported by the students' academic adviser.

Time limits for completion of requirements

A graduate student in the M.Ed. program must complete all degree requirements within a six-year period. A successful appeal of this limitation may result in an extension of one, two, or three semesters granted by the teacher education faculty upon the recommendation of the student's graduate adviser and the director of teacher education.

Comprehensive examination

During the final semester of the graduate program (or earlier by permission), each candidate must pass a comprehensive examination conducted by the graduate faculty. Examinations are usually written (word processed) but may be oral. Exam questions are integrative in nature and relate to foundations, research and professional practice. The comprehensive examination should be seen as a measure of program outcomes and, as such, closely related to evidence of growth and mastery collected in the portfolio. Should the student fail to pass this examination, he or she may apply for a re-examination. The faculty may choose to give an oral or a written re-examination or may require that one or more additional courses be taken. Comprehensive examinations are typically administered in the month preceding graduation.

Grade requirements for graduation

Students must achieve a 3.00 overall grade point average on required course work to be eligible for graduation. The minimum grade for all graduate program course work is C-. No more than two grades below B- can be counted toward graduation requirements.

Research project

Students complete a research project that begins in Education 510 The Teacher Inquirer. The project features action research related to the school setting of the internship assignment. Research topics are developed collaboratively with Milligan faculty and partner school personnel. Designated checkpoints are established for students to report on their research projects. Results of the research are presented in a seminar near the end of the student's graduate program.

Internship

Graduate students in initial licensure programs must complete EDUC 551 Internship I and EDUC 552 Internship II. This two-semester practicum in teaching, assessment, and classroom management provides sustained supervised experience in classrooms of community partner schools, working directly with master teachers as mentors. Intern experience placements will be made with partner school systems located near Milligan College in order to maintain proper supervision levels and the integrity of our Teacher Education Program. Placement in at least two grade levels is required for each licensure area. Students are not eligible for placement in the internship until prerequisite academic content and methodology courses are completed. The internship experience is also

evaluated by Milligan College and school system personnel using the Tennessee "Frameworks" evaluation instrument. As such, this year of "apprenticeship" is counted as the first year of teaching experience toward professional licensure status in Tennessee. Each student must also compete a co-requisite advanced capstone seminar (EDUC 560) during each semester of the internship. A critical component of the capstone seminars is the verification of program outcomes through successful completion of the portfolio and all required licensure examinations. Modest stipends often accompany the internship experience.

Graduate course load

The normal course load for full-time students in the M.Ed. program is nine to twelve hours per semester. In certain cases, the dean and the director of teacher education may approve a fifteen-hour load for exceptional students.

Five curricula

In addition to the core courses listed below, the five curricula that lead to the M.Ed. degree and initial licensure include the **early childhood program**, **middle grades program**, the **secondary program**, the **special education program**, and the K-12 **specialty programs** in *physical education*, *theatre*, or *music*. These programs require 46 to 47 hours of graduate credit. Each curriculum described below may be completed in one academic year and two summers (15 months).

Core courses (12 hrs) for all curricula

(required for each initial licensure program)
EDUC 510 The Teacher Inquirer (1 hr)
EDUC 511 Research Methods in Education (2 hrs)
EDUC 512 Research Seminar (2 hrs)
EDUC 513 Scholarly Writing (1 hr)
EDUC 561 Seminar in Foundations
or
EDUC 562 Seminar in Middle Grades Foundations
or
EDUC 571 Early Childhood Foundations (3 hrs)
EDUC 573 Advanced Child Development and Learning (3 hrs)

Early childhood education courses (34 hrs)

EDUC 544 Advanced Children's Literature (3 hrs)
EDUC 551 Internship I (5 hrs)
EDUC 552 Internship II (6 hrs)
EDUC 560a Advanced Capstone Seminar (1 hr)
EDUC 560b Advanced Capstone Seminar (1 hr)
EDUC 572 Advanced Child Guidance (3 hrs)
EDUC 575 Advanced Early Childhood Administration (3 hrs)
EDUC 576 Program Planning for Young Children I (3 hrs)
EDUC 577 Program Planning for Young Children II-Literacy(3 hrs)
EDUC 579 Young Children with Special Needs (3 hrs)
EDUC Elective (3 hrs)

Middle grades education courses (35 hrs)

EDUC 520 Middle Grades Math and Science Methods (4 hrs)
EDUC 523 Models of Teaching (3 hrs)
EDUC 528 Middle Grades Reading and Language Arts (3 hrs)
EDUC 530 Ed of Exceptional Children in Middle and High School (3 hrs)
EDUC 540 Health and Physical Education Methods (3 hrs)
EDUC 541 Fine Arts Methods (3 hrs)
EDUC 544 Advanced Children's Literature (3 hrs)
EDUC 551 Internship I (5 hrs)
EDUC 552 Internship II (6 hrs)
EDUC 560a Advanced Capstone Seminar (1 hr)
EDUC 560b Advanced Capstone Seminar (1 hr)

Secondary education courses (34 hrs)

EDUC 522 Secondary Education Methods (3 hrs)
EDUC 523 Models of Teaching (3 hrs)
EDUC 524 Teaching Strategies in Content Areas (3 hrs)
EDUC 527 Content Area Reading (3 hrs)
EDUC 530 Ed. of Exceptional Children in Middle and High School (3 hrs)
EDUC 551 Internship I (5 hrs)
EDUC 552 Internship II (6 hrs)
EDUC 560a Advanced Capstone Seminar (1 hr)
EDUC 560b Advanced Capstone Seminar (1 hr)
EDUC Electives (6 hrs)

K-12 music, theatre, and physical education courses (34 hrs*)

EDUC 522 Secondary Education Methods (3 hrs)
EDUC 523 Models of Teaching (3 hrs)
EDUC 524 Teaching Strategies in Content Areas* (3 hrs)
EDUC 530 Ed of Exceptional Children in Middle and High School (3 hrs)
EDUC 551 Internship I (5 hrs)
EDUC 552 Internship II (6 hrs)
EDUC 560a Advanced Capstone Seminar (1 hr)
EDUC 560b Advanced Capstone Seminar (1 hr)
EDUC Electives* (9 hrs)
**An elementary level (K-6) methodology course in the major is also required for licensure.*

Special education courses (34 hrs)

Milligan College has voluntarily suspended the special education program due to limited demand; no new students will be enrolled in this program until further notice.
EDUC 527 Content Area Reading (3 hrs)
EDUC 528 Teaching Reading (3 hrs)
EDUC 530 Ed of Exceptional Children in Middle and High School (3 hrs)
EDUC 551 Internship I (5 hrs)
EDUC 552 Internship II (6 hrs)
EDUC 560a Advanced Capstone Seminar (1 hr)
EDUC 560b Advanced Capstone Seminar (1 hr)
EDUC 582 Characteristics of Exceptional Children (3 hrs)
EDUC 583 Educational Procedures for Exceptional Children (3 hrs)
EDUC 584 Child Who is Mentally Retarded (3 hrs)
EDUC 585 Child Who is Multiply Handicapped (3 hrs)

Advanced degree

The master of education (M.Ed.) program includes both advanced degree and initial licensure options. The M.Ed. advanced program is designed for licensed teachers who teach at the early childhood, elementary, middle grades, or secondary level and who wish to develop professionally. The program consists of 36 semester hours, including 12 hours of electives. The initial licensure and advanced programs increase both the quality and quantity of the educational experiences for teachers in professional education. Students may finish the 36-hour advanced degree program in two years, including fall, spring, and summer courses. Students may also choose to extend course work beyond the typical two-year period.

The advanced degree master of education program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

Student outcomes for the advanced licensure program are based upon the following principles of the National Board for Professional Teacher Standards (NBPTS): (1) Teachers are committed to learning; (2) Teachers know the subjects they teach and how to teach those subjects to students; (3) Teachers are responsible for managing and monitoring student learning; (4) Teachers think systematically about their practice and learn from experience; (5) Teachers are members of learning communities; (6) Teachers combine Christian values, knowledge, and interpersonal skills to reflect the attributes of a Christian educator, ensuring maximum group and individual learning.

The program integrates theory, action research, and reflective practice. Courses are typically taught in school facilities in the community by Milligan faculty members and participating partner school master teachers and administrators. Program outcomes are based upon National Board for Professional Teacher Standards (NBPTS) and are documented in professional portfolios. An important feature of the program is mentorship of participants by NBPTS certified teachers from the community and region, who will facilitate portfolio development.

The advanced master of education program is a 36 credit hour program of study designed for licensed teachers who desire to develop professionally. The program consists of a 24 credit hour core and 12 elective credits. Participants may also add an additional endorsement concurrent with their enrollment in the program. Additional endorsements may require more than twelve elective credits, however.

The program of study is offered in early childhood education, elementary/middle grades education, and secondary education cohorts. Core course work is scheduled in six-credit-hour blocks of instruction for four consecutive fall and spring semesters. Electives may be selected from any 600-level master of education courses offered in fall, spring, and summer terms.

Program characteristics and curriculum

Application, admission, and retention policies and procedures for the advanced degree program are parallel to those noted above for the initial licensure M.Ed. program. Comprehensive examination procedures are also parallel. The research component of the advanced degree program is integrated into the four six-credit-hour course blocks and linked closely to professional practice and professional development goals of the student. The advanced degree curriculum consists of core courses, research, and electives as follows:

Core courses (18 hrs)

EDUC 621 Assessment and Evaluation (3 hrs)
EDUC 622 Classroom Management (3 hrs)
EDUC 626 Mentorship (3 hrs)
EDUC 631 Family and Community Cultures (3 hrs)
EDUC 662 School Organization and Law (3 hrs)
EDUC 670 Professional Teacher Standards (3 hrs)

Research (6 hrs)

EDUC 510 The Teacher Inquirer (1 hr)
EDUC 511 Research Methods in Education (2 hrs)
EDUC 512 Research Seminar (2 hrs)
EDUC 513 Scholarly Writing (1 hr)

Electives (12 hrs)

Twelve hours of elective course work is required for degree completion. Electives may be selected from graduate courses offered in the initial licensure program. Students are encouraged to select electives based upon a professional growth plan. An additional endorsement may be a part of this plan. Below are the suggested elective courses by area:

Licensed ECE or elementary teachers

EDUC 532 Counseling of Children and Families (3 hrs)
EDUC 544 Advanced Children's Literature (3 hrs)
EDUC 565 Technology in Education (3 hrs)
EDUC 572 Advanced Child Guidance* (3 hrs)
EDUC 573 Advanced Child Development and Learning (3 hrs)
EDUC 575 Advance Early Childhood Administration* (3 hrs)
EDUC 576 Program Planning for Young Children I* (3 hrs)
EDUC 577 Program Planning for Young Children II-Literacy* (3 hrs)
EDUC 579 Young Children with Special Needs (3 hrs)
* Required for those adding PreK-4 endorsement to elementary licensure.

Licensed middle grades or elementary teachers

EDUC 520 Middle Grades Math and Science Methods* (4 hrs)
EDUC 523 Models of Teaching* (3 hrs)
EDUC 532 Counseling of Children and Families (3 hrs)
EDUC 540 Health and Physical Education Methods* (3 hrs)
EDUC 565 Technology in Education (3 hrs)
EDUC 573 Advanced Child Development and Learning (3 hrs)
* Required for adding Middle Grades (5-8) endorsement to PreK-4 license.

Licensed secondary teachers

EDUC 522 Secondary Education Methods (3 hrs)
EDUC 523 Models of Teaching (3 hrs)
EDUC 524 Teaching Strategies in Content Areas (3 hrs)
EDUC 532 Counseling of Children and Families (3 hrs)
EDUC 565 Technology in Education (3 hrs)
EDUC 573 Advanced Child Development and Learning (3 hrs)

Course descriptions

EDUC 510. The Teacher Inquirer - An introduction to the role of problem solving and inquiry in education. An overview of educational research methods and design. The course includes a survey of current educational research, exploration of a research topic, and initiation of a literature search. Offered summer term each year. One semester hour.

EDUC 511. Research Methods in Education - A study of problem solving, research methods, research design, and an introduction to basic data analysis procedures used in experimental, quasi-experimental, descriptive, and qualitative research. The course includes completion of the research prospectus, literature review, research design and instrumentation for a research project. Offered fall term each year. Two semester hours.

EDUC 512. Research Seminar - Completion of the research study begun in the Education 510 and 511. Students discuss types of data, appropriate data analysis procedures, published research, and principles of research interpretation. Offered spring term each year. Two semester hours.

EDUC 513. Scholarly Writing - Each candidate reports on his or her own research findings, explores subsequent publication, and reflects upon applications of research in the classroom and school. Offered summer term each year. One semester hour.

EDUC 520. Middle Grades Math and Science Methods - A survey of strategies of classroom management, instruction and assessment in middle grades mathematics and science. Unit and lesson planning and styles of instruction are discussed and practiced. This material is developed into methods for classroom practice with an emphasis on curricular integration. Offered summer term each year. Four semester hours.

EDUC 522. Secondary Education Methods - A review of the recent research related to classroom management, instruction, and assessment. Unit and lesson planning and styles of instruction are discussed. This material is developed into strategies for classroom practice. Offered summer term each year. Three semester hours.

EDUC 523. Models of Teaching - A study of a variety of approaches to teaching designed to give teachers a broad repertoire of teaching skills that will enable students to become more effective learners and bring about particular kinds of learning. Also included is an examination of the new technologies available in education. Offered summer term each year. Three semester hours.

EDUC 524. Teaching Strategies in Content Areas - A study of the current curriculum and teaching strategies being used in a specific teaching discipline. Offered spring term each year. Three semester hours.

EDUC 525. Structure of the Curriculum - A study of current trends in curriculum development, including curriculum integration. Candidates learn how to define objectives, plan for improvement, and organize instructional materials. An elective in licensed teacher programs. Offered occasionally. Three semester hours.

EDUC 527. Content Area Reading - A study of approaches and procedures designed to assist students in grades 7-12 in becoming adept readers. The primary focus is on reading and language arts in the curriculum content areas. Guiding literacy development in students with both typical and atypical language skills is included. Techniques to modify and expand instruction based on student development are examined and discussed. Offered summer term each year. Three semester hours.

EDUC 528. Middle Grades Reading and Language Arts - Current methods and strategies for teaching reading and language arts in the middle grades are presented and practiced. Includes such topics as whole language, comprehension, word recognition skills, vocabulary development, and authentic reading assessment. Offered summer term each year. Three semester hours.

EDUC 529. Teaching Mathematics - A study of the presentation of calculation skills and applied mathematics problem solving appropriate to the elementary schools. Remediation strategies are included. Offered occasionally. Three semester hours.

EDUC 530. Education of Exceptional Children in Middle and High School - A study of the applications of educational theories and research related to the instruction of students with special needs. Topics covered include student characteristics, motivation, instruction and evaluation, and procedures for special education referrals. Offered fall term each year. Three semester hours.

EDUC 532. Counseling of Children and Families - A study of counseling principles important to teachers as they interact with children and their families. Offered fall term each year. Three semester hours.

EDUC 540. Health and Physical Education Methods - Reading and discussion of fitness and health concerns of children, grades five through eight. The course includes instruction and practice related to physical activity and rhythmical activities. Emphasis is on integration of health and physical education topics and activities into the middle grades curriculum. Offered spring term each year. Three semester hours.

EDUC 541. Fine Arts Methods - A study of art, music, and storytelling strategies and techniques useful to the teacher of children, birth through early adolescence. Offered summer term each year. Three semester hours.

EDUC 544. Advanced Children's Literature - An in-depth study of children's literature, infancy through adolescence. Emphasis is on criteria for planning, presenting, and evaluating a quality literature program to provide rich literary experiences, grades Pre-Kindergarten - grade 8. Candidates compare and contrast literary contributions from all genres of literature. Offered summer term each year. Three semester hours.

EDUC 551. Internship I - A full-day, full-semester, school-based professional growth experience. In addition to a specific teaching assignment, the student may have observations of various school situations, emphasizing diversity, exceptionality, and rural and urban settings. Some experiences to develop psychological readiness for the profession are included. Concurrent enrollment in EDUC 560 Advanced Capstone Seminar required. Offered fall and spring terms each year. Five semester hours.

EDUC 552. Internship II - A full-day, full-semester, school-based professional growth experience. A continuation of the internship involving greater responsibility in the teaching assignment. Concurrent enrollment in EDUC 560 Advanced Capstone Seminar required. Offered spring term each year. Six semester hours.

EDUC 553. Teaching Practicum - A supervised practicum in lesson planning, instruction, and assessment for grades PreK-12. Designed for post-baccalaureate students seeking an additional endorsement or interim license. Does not substitute for student teaching. Offered on demand. Three, six, twelve semester hours.

EDUC 560a/b. Advanced Capstone Seminar - A capstone seminar designed to promote reflection, in-depth discussion, and collaborative action research. Designed to integrate all elements of the program and document program outcomes in the candidate portfolio. Also includes

topical presentations by Milligan and partner school faculty. Enrollment limited to students enrolled concurrently in EDUC 551 and 552 Internship. Will be repeated once for credit. Offered fall and spring terms each year. One semester hour.

EDUC 561. Seminar in Foundations - A survey of the history, philosophy, legal, and social foundations of American education. Topics are discussed and presented in seminar format. Offered summer term each year. Three semester hours.

EDUC 562. Seminar in Middle Grades Foundations - A survey of the history, philosophy, legal, and social foundations of American middle school education. Also introduces lesson planning and includes a social studies assignment. Topics are discussed and presented in a seminar format. Offered summer term each year. Three semester hours.

EDUC 563. Advanced Educational Psychology - A study of the application of psychological theories and research to classroom setting. Topics include student characteristics, mental health, personality, learning theories, group dynamics, motivation, and evaluation. Includes a focus on social constructivist theory. Offered occasionally. Three semester hours.

EDUC 565. Technology in Education - A study of applications of technology to instruction of children in PreK-12 schools and to the maintenance of records and resources. Includes multimedia, computer-based educational games, access of learning resources via the Internet, and web page design. An elective in secondary and licensed teacher programs. Offered summer term each year. Three semester hours.

EDUC 571. Early Childhood Foundations - A study of philosophical and theoretical foundations of early childhood education. Emphasis is on major trends and issues in early childhood education. In addition, this course seeks to provide candidates with atttibutes that enable them to be effective in their commitment, sensitivity, resourcefulness, and organizational abilities with young children. Offered summer term each year. Three semester hours.

EDUC 572. Advanced Child Guidance - A study of skills and techniques for handling behavioral and disciplinary issues of young children. Candidates create and design creative experiences and activities for children in the setting of their internship (Pre-kindergarten through Grade 4). Emphasis is on providing a developmentally appropriate environment that fosters social/emotional development. Offered fall term each year. Three semester hours.

EDUC 573. Advanced Child Development and Learning - A study of theories of learning applicable to children from birth through adolescence. The content focuses on constructivist theories of learning with major emphasis given to the theories of Piaget, Dewey, Gardner, and Vygotsky. Implications of child development for classroom teaching are addressed. Three semester hours. Offered summer term each year.

EDUC 575. Advanced Early Childhood Administration - A discussion of the philosophy, organization, and components of developmentally appropriate programs for young children and their families. Administration, environmental aspects, parent and community involvement, staff supervision, evaluation, development, and budget of programs are examined. The objectives are based on the National Association for the Education of Young Children Standards. Offered summer term each year. Three semester hours.

EDUC 576. Program Planning for Young Children I - A study of the educational needs of young children in the cognitive realms of scientific, mathematical, and language learning. Focus is on planning and implementing learning environments that provide hands-on discovery learning where the child is an active participant, problem solver, and decision-maker. Candidates engage in cooperative learning and in planning integrated thematic units and projects. Emphasis is given to the integration of the content areas, especially science, math, and the language arts. Offered summer term each year. Three semester hours.

EDUC 577. Program Planning for Young Children II - Literacy -A study of the educational needs of young children in the cognitive, social, creative, and physical domains of learning. The focus is on planning and implementing learning environments that provide hands-on discovery learning where the child is an active participant, problem-solver, and decision maker. Candidates engage in cooperative learning and in planning integrated thematic units and projects. Emphasis is given to the integration of the content areas, especially social studies, creative, and expressive arts. Offered summer term each year. Three semester hours.

EDUC 579. Young Children With Special Needs - A study of the following early childhood special education areas: assessment; family participation; IEPs/IFSPs; service delivery models; general curriculum; and intervention strategies. More specific interventions covered include cognirive skills; social skills and emotional development; adaptive behavior skills; motor skills; transition; personnel competence; and program evaluation. The course also includes a study of diversity and its implications for teaching and learning. Offered spring term each year. Three semester hours.

EDUC 582. Characteristics of Exceptional Children - A study of all aspects of exceptional children including reading, arithmetic, auditory, visual, and perceptual motor problems as well as characteristics of children who are gifted. The student is introduced to assessment using diagnostic tests in order to determine if special services are needed to assist the children in achieving. Principles and best practices in classroom management are also studied. An experiential approach is used so that critical thinking skills may aid in decision-making. Offered occasionally. Three semester hours.

EDUC 583. Educational Procedures for Exceptional Children - Educational procedures and materials for teaching exceptional children who are learning disabled, mentally retarded, emotionally disturbed, physically handicapped, gifted, and socially maladjusted with an emphasis on learning. Techniques discussed include behavior modification, perceptual remediation, cognitive and intellectual development, and the use of various apparatus helpful to exceptional children. An additional two clock hours per week may be required for observation and experience in the schools. Offered occasionally. Three semester hours.

EDUC 584. The Child Who is Mentally Retarded - A study of the causes and characteristics of mental retardation. The diagnosis, treatment, curriculum, life care, parental adjustment, and psychological development of the mentally retarded are discussed. Offered occasionally. Three semester hours.

EDUC 585. The Child Who is Multiply Handicapped - A study of the nature and needs of individuals with severe, profound, and multiple handicaps with emphasis on basis educational approaches and on the roles of federal, state, and local agencies in providing services to this population. Offered occasionally. Three semester hours.

EDUC 590. Directed Study - Research related to a specific educational problem under the direct supervision of an instructor. Offered each term. One to six semester hours.

EDUC 592. Grant Writing - An overview of the grant writing process including how to research grant opportunities and how to determine those most appropriate for their own situations. Students write grant proposals and follow-up reports, tailoring proposals to specific organizations. Offered summer term each year. Three semester hours.

EDUC 595. Contemporary Issues - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. An elective in licensed teacher programs. Offered each term. One to three semester hours.

EDUC 621. Assessment and Evaluation - A focus on the strategies for the assessment and evaluation of student and teacher performance, including construction of teacher-made tests and alternate approaches. Candidates also learn how to read and interpret standardized test scores for student diagnosis and individualization of instruction. Offered occasionally. Three semester hours.

EDUC 622. Classroom Management - A study of positive child guidance and effective classroom management strategies. Emphasis is on creating safe, caring classrooms through organizing and managing effectively. Topics include psychosocial, physical, instructional, organizational, procedural, and behavior dimensions of classroom management. Three semester hours.

EDUC 626. Mentorship - A study of the mentoring process. Areas of study include classroom and school environments that effectively nurture mentors and protégées; the recruitment, selection, and training of mentors; matching mentors and protégées; and evaluating the results of mentoring. Offered occasionally. Three semester hours.

EDUC 631. Family and Community Culture - A discussion of anthropological skills for studying children in the context of families and communities, including some discussion of various sub-cultures in the United States. Offered summer term each year. Three semester hours.

EDUC 662. School Organization and Law - A study of the organization and structure of the school including central office activities, special services, supervision, and school level administration. Three semester hours.

EDUC 670. Professional Teacher Standards - A course preparing teachers to meet professional standards established by the National Board of Professional Teaching Standards, paralleling the documentation process required for National Board Certification. This course reviews the five areas required for National Board Certification: 1) Teachers are committed to students and their learning; 2) Teachers know the subjects they teach and how to teach those subjects to students; 3) Teachers are responsible for managing and monitoring student learning; 4) Teachers think systematically about their practice and learn from experience; and 5) Teachers are members of learning communities. Students are coached through an extensive series of performance-based assessments. A portfolio is required for this course. Three semester hours.

Educational Studies

Area of Education

The **educational studies minors** support the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

Educational studies: early childhood minor (23 hrs)

In combination with the early childhood development major and additional professional level courses work the educational studies: early childhood prepares students for professional teaching licensure in early childhood education, pre-kindergarten through grade four. The minor consists of:

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 232 Early Childhood Intervention and Assessment (3 hrs)
EDUC 245 Early Childhood Administration (2 hrs)
EDUC 301 Early Childhood Education (3 hrs)
EDUC 355 Literacy Development (3 hrs)
ENGL 354 Early Childhood Practicum (3 hrs)
MATH 153 Fundamental Concepts I (3 hrs) and 253 Fundamental Concepts II (3 hrs)

Educational studies: special education minor (27 hrs)

In combination with a modified psychology major and professional level course work in the Master of Education program, the educational studies: special education minor prepares students for professional teaching licensure in special education (K-12 modified and comprehensive). The minor consists of:

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 232 Early Childhood Intervention and Assessment (3 hrs)
EDUC 355 Literacy Development (3 hrs)
EDUC 356 Reading Processes with Assessment and Intervention (3 hrs)
ENGL 354 Children's Literature (3 hrs)
HPXS 406 Adapted Physical Education (3 hrs)
MATH 153 Fundamental Concepts I (3 hrs) and 253 Fundamental Concepts II (3 hrs)

To complete the requirements for licensure, the student completes the Master of Education initial licensure program in special education. Milligan College has voluntarily suspended the undergraduate special education program due to limited demand; no new students will be enrolled in this program until further notice.

English

Area of Humane Learning

The English major supports the following goal of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts . . . and to understand a significant body of material in their major fields of study.

Graduates of Milligan's English program go on to teach in public and private schools and colleges (with additional study), to do graduate work in English and related fields, to study law, to work as journalists, editors, and public relations officers, to study library science/information technology, and to work in marketing, customer assistance, and other aspects of the business world.

The course of study in English language and literature is designed to enable the student (1) to read literature with appreciation, understanding, and a developing critical sophistication; (2) to write clear and effective literary criticism and analysis; and (3) to acquire a knowledge base which will allow the individual to pursue additional education or to obtain gainful employment.

English major - B.A. (30 hrs)

ENGL 304 or 305 Survey of American Literature (3 hrs)
ENGL 460 Elizabethan Drama (3 hrs) or 461 Jacobean Drama (3 hrs)
Six hours of literature from HUMN 101, 102, 201, 202 (6 hrs)
At least one course from 4 of the 5 areas below:
- English Language and Literary Criticism (311, 312, 450)
- Medieval and Renaissance Literature (430, 460, 461, 462)
- Eighteenth and Nineteenth-Century Literature (304, 361)
- Nineteenth-Century Literature (434, 435)
- Modern and Post-Modern Literature (305, 402, 411, 414)

Additional courses in English as needed for a total of 30 hrs in the major

Six hours of junior or senior level theatre arts courses may be applied to an English major. The English major is available only as a Bachelor of Arts degree; therefore, foreign language through the intermediate level is required.

The secondary English teacher licensure program includes the following courses:

ENGL 304 or 305 Survey of American Literature (3 hrs)
ENGL 311 Advanced Grammar (3 hrs)
ENGL 361 Novel (3 hrs)
ENGL 402 Short Story (3 hrs)
ENGL 460 Elizabethan Drama or 461 Jacobean Drama (3 hrs)
ENGL electives (9 hrs)
Six hours of world literature from the humanities sequence (6 hrs)
EDUC 357 Content Area Reading (3 hrs)

Students pursuing a Bachelor of Arts degree with an English major must complete English electives to total 30 semester hours in the major. The following six hours of Theatre Arts courses may be substituted for six hours of English electives: THEA 242 Fundamentals of Acting and THEA 340 Fundamentals of Directing. At least two college level courses in a foreign language are required.

English minor (18 hrs)

Six hours from HUMN 101, 102, 201, 202 (6 hrs)
Electives in both American and English literature (12 hrs)

Course descriptions

ENGL 103. English Composition - Intensive writing instruction and practice designed to enable the student to achieve college writing competency. The course is designed for students who have not achieved a C- or above in Humanities 101W (fall 2002) and for transfer students who need additional instruction in writing (based primarily on their writing sample). Students will carry out a variety of writing assignments, such as journals; reviews of articles, movies, and books; research notebooks; and essays. Students must earn a C- or above in the course in order to satisfy this graduation requirement. Initially, the course must be taken prior to or concurrent with Humanities 201. This course will not be offered after fall 2003. Students who do not achieve a grade of C- or above in English 103 will be required to repeat Humanities 101W. One semester hour.

ENGL 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not covered in a single course. Not open to freshmen. One to three semester hours.

ENGL 304-305. Survey of American Literature - A study of the literature of the American people with special attention to the writings of the major authors. Collateral reading is assigned in the American novel. English 304 offered fall term each year; English 305 offered spring term each year. Three semester hours each semester.

ENGL 311. Advanced Grammar - Advanced study in the principles of English grammar with attention to sentence structure, verb forms, and current usage. Offered spring term alternate years. Three semester hours.

ENGL 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not covered in a single course. Not open to freshmen. One to three semester hours.

ENGL 304-305. Survey of American Literature - A study of the literature of the American people with special attention to the writings of the major authors. Collateral reading is assigned in the American novel. English 304 offered fall term each year; English 305 offered spring term alternate years. Three semester hours each semester.

ENGL 311. Advanced Grammar - Advanced study in the principles of English grammar with attention to sentence structure, verb forms, and current usage. Offered spring term alternate years. Three semester hours.

ENGL 312. Introduction to Linguistics - A study of the basic principles of linguistic analysis as specifically applied to the English language. Offered fall term every third year. Three semester hours.

ENGL 354. Children's Literature - A study of children's literature designed to acquaint the student with the literary contributions suitable for elementary grades. Not applicable towards an English major. Offered spring term each year. Three semester hours.

ENGL 361. Novel - A study of the history and development of the novel as a literary type with special emphasis on eighteenth and nineteenth-century British and American novels. Offered spring term alternate years. Three semester hours.

ENGL 362. African-American Narrative Literature - A study of autobiographical and fictional narratives by African-American writers with emphasis on the nineteenth and twentieth centuries and attention to historical context and current critical issues. This course fulfills the ethnic studies course requirement in the general education core. Offered fall term alternate years. Three semester hours.

ENGL 363. Appalachian Literature - A study of fiction and poetry of Appalachia from both the nineteenth and twentieth centuries, with ancillary consideration of the history and sociology of the region. This course involves discussions, research, and oral presentations. Offered spring term alternate years. Three semester hours.

ENGL 364. The Fiction of C. S. Lewis - A close look at Lewis's fictional works, with some reference to his other writings. Offered fall term three of every four years. Three semester hours.

ENGL 365. Literature by Women - A study of women's literature as a distinct tradition. The course involves reading of major women writers from different periods and genres, with the major emphasis on the nineteenth century and the twentieth century. Writers studied include Mary Wollstonecraft, the Brontes, Christina Rossetti, Kate Chopin, Virginia Woolf, Susan Glaspell, Doris Lessing, Adrienne Rich, Toni Morrison, and Caryl Churchill. Offered fall term every third year. Three semester hours.

ENGL 402. Short Story - A chronological study of the development of the short story in the western tradition during the nineteenth and twentieth centuries with emphasis on American and British stories; some attention to creative writing. Offered fall term alternate years. Three semester hours.

ENGL 411. Twentieth-Century Literature - A study of leading writers of fiction, poetry, and drama in the twentieth century, including English and non-English writers. This is a seminar course, involving discussions, independent research, and oral presentations. Offered fall term alternate years. Three semester hours.

ENGL 413. Literature and the Cyber Age - A study of how selected writers, philosophers, and cultural critics, primarily from the twentieth century, have reacted to as well as helped influence various forms of technological development, and how they have represented corresponding changes in society, self, mind, and genre in their works. This is a seminar course, involving discussions, independent research, and oral presentations. Offered fall term every third year. Three semester hours.

ENGL 414. British Fiction of the Twentieth Century - A study of major British writers in the Twentieth Century, such as A. S. Byatt, Joseph Conrad, E. M. Forster, Graham Greene, James Joyce, D. H. Lawrence, Katherine Mansfield, Iris Murdoch, and Virginia Woolf. Offered fall term alternate years. Three semester hours.

ENGL 415. Southern Renascence/Harlem Renaissance - A study of two early twentieth century phenomena-the most significant post-World War I manifestation of African-American arts and letters, the Harlem Renaissance, and the exclusively white Southern Renascence-which centers around how the two combined have profoundly influenced the development of southern literature. This is a seminar course, involving discussions, independent research, and oral presentations. Offered fall term every third year. Three semester hours.

ENGL 424. Advanced Writing - An opportunity for extensive experience in writing, editing, critiquing the works of others, and working toward publication. Prereq.: HUMN 101-2, 201-2 (or equivalent) and approval of the instructor. Offered spring term alternate years. Three semester hrs.

ENGL 430. Medieval Literature - A study of English literature of the Middle Ages, from Beowulf and "The Dream of the Rood" to Sir Gawain and the Green Knight and portions of Canterbury Tales and Morte d'Arthur. Also included are the plays Everyman and The Second Shepherds' Play and many shorter works, such as Caedmon's hymn, Anglo-Saxon riddles, and even a ballad about Robin Hood. Offered fall term alternate years. Three semester hours.

ENGL 431. Feature Writing for Print Media - A practical course in researching and writing in-depth feature articles for newspapers and magazines, including a survey of trends in feature writing. Students are encouraged to submit feature articles to the campus newspaper and to regional or national publications. Offered fall term each year. Three semester hours. Same as COMM 431.

ENGL 434. The Age of Wordsworth: Poetry, Prose, Politics - A study of the Romantic era in English literature with special emphasis upon the poet Wordsworth and his contemporaries, both poets and prose writers, along with selected political writings. Offered spring term alternate years. Three semester hours.

ENGL 435. Victorian Period - A study of the fascinating contradictions of the second half of the nineteenth century as expressed in the major poets, essayists, and novelists of the period. Offered spring term alternate years. Three semester hours.

ENGL 450. Introduction to Literary Theory and Criticism - A study of the theory and practice of literary criticism, designed to provide knowledge of the underpinnings of the discipline and a primary conversance with the major approaches. This is a seminar course, involving discussions, independent research, and oral presentations. Offered fall term every third year. Three semester hours.

ENGL 460. Elizabethan Drama - An examination of the earlier Shakespearean plays with collateral reading in the works of his fellow playwrights. Offered spring term alternate years. Three semester hours.

ENGL 461. Jacobean Drama - An examination of the later Shakespearean plays with collateral reading in the works of his fellow playwrights. Offered spring term alternate years. Three semester hours.

ENGL 462. Renaissance Poetry and Prose - Careful readings of the works of Spenser, Sidney, Shakespeare (nondramatic), Jonson, the Metaphysical poets, and Milton. Offered fall term every fourth year. Three semester hours.

ENGL 489. Directed Readings - A supervised program of readings which provides for study of material not included in the regular course offerings. One to three semester hours.

ENGL 490. Directed Studies - A program of readings and conferences which provides for individualized study. One to three semester hours.

ENGL 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Exercise Science

Area of Education

The exercise science minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatrical groups, student clubs, student government, and other campus-sponsored extracurricular endeavors, in preparation for life-long participation in similar activities.

The skills and knowledge gained through the exercise science minor allow students to pursue jobs in school, community, or industrial settings and provides a springboard into various graduate programs.

HPXS major - B.A. or B.S. (38 hrs)

Emphasis in Exercise Science

A student may declare an HPXS major with an emphasis in exercise science. For further infotmation on this major, refer to the information under the listing for Human Performance and Exercise Science (HPXS).

Exercise Science minor (20 hrs)

HPXS 341 Exercise Physiology (4 hrs)
HPXS 352 Kinesiology and Biomechanics (4 hrs)
BIOL 250 and 251 Anatomy and Physiology (8 hrs)
CHEM (4 hrs)

Film Studies

Area of Performing, Visual and Communicative Arts

Communications major - B.A. or B.S. (36 hrs)

Emphasis in Film Studies

A student may declare a communications major with an emphasis in Film Studies. For further information on this major, refer to the information under the listing "Communications."

Film Studies minor (18 hrs)

Communications majors with a broadcasting emphasis interested in pursuing vocations in the film industry minor in Film Studies by taking one of two programs of study:

1. Completion of on-campus courses including THEA 242 and 340; COMM 495 American Film History; nine additional hours of electives with courses and course content adapted for the minor with the approval of the adviser and the class instructor.

2. Admission to and completion of the Los Angeles Film Studies program, a semester-long, 15-credit hour program sponsored by the Council for Christian Colleges & Universities (CCCU). This program allows students to study filmmaking in Los Angeles while doing internships at businesses in the entertainment industry. In addition the student also completes COMM 495 American Film History.

Fine Arts

Area of Performing, Visual and Communicative arts

The fine arts major is designed to contribute to the development of students' God-given personalities and talents by increasing their appreciation for and knowledge of human creativity. Within that context, the major in fine arts cultivates the development of Christian artists who glorify God by striving for the highest standards of artistic excellence-ministering to people through their art and contributing to the richness and beauty of life, both in the church and in society.

The fine arts major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.

- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatre groups, student clubs, student government, and other campus-sponsored extracurriculum endeavors, in preparation for life-long participation in similar activities.

Graduates with a fine arts major are expected to: (1) demonstrate a clear understanding of the fundamental skills, theories, principles, and technologies necessary in the making of art, music, photography, or theatre; (2) demonstrate the capacity to formulate a personal philosophy and aesthetic direction for their art; (3) demonstrate a basic understanding of the link between art making and the study of art history and current trends in art; (4) be capable of constructing intelligent standards for the critical evaluation of art.

The strength of the fine arts major lies in its interdisciplinary nature. There are four areas of emphasis from which a student may choose when declaring a fine arts major. They are art, music, photography, and theatre arts. The electives within the fine arts major are determined by the students with their advisers to address the specific goals of the students. The fine arts major is available only as a Bachelor of Arts degree; foreign language through the intermediate level is required.

While there is no fine arts minor, a student may minor in art, music, photography, or theatre arts.

Fine Arts major - B.A. (35-38 hrs)

Fine Arts major with Art emphasis

Core (10 hours)		Art emphasis (27 hours)	
One of the following: Theatre 151, 242,	3 hrs	Art 110 Design Fundamentals	3 hrs
Art 237 Basic Photography	3 hrs	Art 250 Drawing I	3 hrs
Art 400 Field Studies in Fine Arts	1 hr	Art 251 Painting I	3 hrs
Art 421 Fine Arts and the Church	3 hrs	Art 350 Drawing II	3 hrs
		Art 351 Painting II	3 hrs
		Art 367 Art History	3 hrs
		Art 411 Printmaking Studio *or* 431 Sculpture Studio	3 hrs
		Art 490 Directed Studies	3 hrs
		Art 494 Senior Exhibition	3 hrs

Fine Arts major with Music emphasis

Core (13 hours)		Music emphasis (25 hours)	
Art 237 Basic Photography	3 hrs	Music 143 Basic Music Theory/Ear Training	3 hrs
Art 250, 251, or any other studio art	3 hrs	Music 144 Basic Music Theory/Ear Training	3 hrs
Art 400 Field Studies in Fine Arts	1 hrs	Music 263 Survey of Pop Music	3 hrs
Art 421 Fine Arts and the Church	3 hrs	Music 265 Music History Survey	3 hrs
Theatre 242 Fundamentals of Acting	3 hrs	Music 363 Basic Conducting	3 hrs
		Music 490 Senior Project	2 hrs
		Applied lessons (Principal)	3 hrs
		Applied lessons (Secondary)	1 hr
		Ensembles	4 hrs

Fine Arts major with Photography emphasis

Core (10 hours)		Photography emphasis (27 hours)	
One of the following: Theatre 151, 242, 340, or 345	3 hrs	Art 237 Basic Photography	3 hrs
Art 250, 251, or other studio art	3 hrs	Art 310 Intermediate Photography	3 hrs
Art 400 Field Studies in Fine Arts	1 hrs	Art 312 Introduction to Color Photography	3 hrs
Art 421 Fine Arts and the Church	3 hrs	Art 337 Photojournalism	3 hrs
		Art 366 History of Photography	3 hrs
		Art 367 Art History	3 hrs
		Art/Communications 453 *or* Art 437 Advanced B&W Photography (*or* View Camera *or* Studio at ETSU)	3 hrs
		Art 490 Directed Studies	3 hrs
		Art 494 Senior Exhibition	3 hrs

Fine Arts major with Theatre Arts emphasis

Core (10 hours)		Theatre Arts emphasis (25 hours)	
Art 237 Basic Photography	3 hrs	Theatre 141 Fund of Voice/Stage Movement	3 hrs
Art 250, 251, or other studio art	3 hrs	Theatre 151 Introduction to Theatre	3 hrs
Art 400 Field Studies in Fine Arts	1 hr	Theatre 242 Fundamentals of Acting	3 hrs
Art 421 Fine Arts and the Church	3 hrs	Theatre 340 Fundamentals of Directing	3 hrs
		Theatre 343 Scenography	3 hrs
		Theatre 345 Theatre Workshop	6 hrs
		Music 100 Voice Elective	1 hr
		English 460 Elizabethan Drama *or* 461 Jacobean Drama	3 hrs

Art emphasis

Students completing the fine arts program with an emphasis in art acquire a strong foundation in visual art skills, insights, and overall aesthetic awareness. Outstanding students are prepared to apply to graduate school, enabling them to teach college or to pursue careers as professional artists. The art world also provides numerous opportunities to well-trained creative young artists in related art vocations-gallery and museum work, arts organization jobs, and free-lance art.

Music emphasis

The music emphasis is designed to help students acquire skills in various aspects of music. The curriculum is taught from an artistic standpoint that prepares students for several music-related careers. Graduates can use their knowledge of basic music theory, solo and ensemble performance practice, and popular and historical music literature for careers in musical theatre, vocal or instrumental coaching, or to assist in studio work. The curriculum leads toward Music 490 Senior Project, in which the student engages in practical work related to a desired career in one of these fields.

Photography emphasis

The photography emphasis is designed to help students acquire skills in various aspects of photography. The curriculum is taught from an artistic

standpoint that gives students the creativity and experience necessary for a rewarding future in photography. Graduates can use their knowledge of photographic processes, aesthetics, and history to provide professional services to the art community or commercial photographic markets. Photographers also provide supporting services for galleries, theatres, museums, and publishing; some teach photography.

Theatre arts emphasis

The theatre arts emphasis stresses a basic understanding and appreciation for all facets of theatre work. Theatre arts graduates can work as actors, costumers, stage managers, set designers, lighting technicians, sound operators, stage carpenters, arts agency promoters, and stage directors, while others can go on to study theatre in graduate school in preparation for teaching, business, and the ministry.

K-12 teacher licensure in theatre

Milligan College offers teacher licensure in theatre for grades K-12. Those interested in licensure to teach must take the following theatre and English courses:

THEA 141 Fundamentals of Voice/Stage Movement (3 hrs)
THEA 151 Introduction to Theatre (3 hrs)
THEA 242 Fundamentals of Acting (3 hrs)
THEA 340 Fundamentals of Directing (3 hrs)
THEA 343 Scenography (3 hrs)
THEA 345 Theatre Workshop (3 hrs)
ENGL 460 Elizabethan Drama (3 hrs)
ENGL 411 Twentieth-Century Literature OR 461 Jacobean Drama (3 hrs)

Students wishing to pursue teacher licensure for grades K - 12 must also complete the following education requirements:

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 306 Middle Grades Foundations or 308 Secondary School Foundations (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods or 408 Secondary Education Methods (3 hrs)
EDUC 455 Student Teaching: K - 12 (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
PSYC 252 Developmental Psychology (3 hrs)

Fitness and Wellness

Area of Education

The Fitness and Wellness minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.
- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatrical groups, student clubs, student government, and other campus-sponsored extracurricular endeavors, in preparation for life-long participation in similar activities.

The skills and knowledge gained through the Fitness and Wellness minor allow students to pursue jobs in community or industrial settings and provides a springboard into various graduate programs.

HPXS major - B.A. or B.S. (38 hrs)

Emphasis in Fitness and Wellness

A student may declare an HPXS major with an emphasis in fitness and wellness. For further information on this major, refer to the information under the listing Human Performance and Exercise Science (HPXS).

Fitness and Wellness minor (20 hrs)

HPXS 101 Fitness for Life (1 hr).
HPXS 308 Measurement and Evaluation (3 hrs)
HPXS 310a First Aid and CPR (1 hr)
HPXS 341 Exercise Physiology (4 hrs)
HPXS 352 Kinesiology and Biomechanics (4 hrs)
HPXS 436 Exercise in Health and Disease (3 hrs)
BIOL 250 Anatomy and Physiology (4 hrs)

French

Area of Humane Learning

The French program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts. . . .
- Students will gain an enriched quality of life through . . . appreciation for the arts . . . and preparation for graduate studies and a rewarding career or profession.

The French program emphasizes the four language skills of listening, speaking, reading, and writing. While the primary focus is on developing competency in communication, the secondary French licensure program and the French minor provide a foundation in the literature and culture of the country. Graduates may pursue careers in teaching, in translating and interpreting (with additional study), in the tourism and hospitality industry, or in the diplomatic services. French is a valuable asset in international business, in international agencies (such as the International Red Cross), and in the fashion industry.

French minor (18 hrs)

Eighteen hours of French beyond the level of French 111 - 112

Secondary French teacher licensure

The secondary French teacher licensure program includes the following courses:

FREN 301 and 302 Advanced Conversation and Composition (6 hrs)
FREN 311 and 312 Survey of French Literature I and II (6 hrs)
FREN 401 and 402 French Civilization and Culture I and II (6 hrs)
ENGL 312 Linguistics (3 hrs)
HUMN 490 Reading and Research in Humane Learning (3 hrs)

Professional education courses:
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 308 Secondary School Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 408 Secondary Education Methods (3 hrs)
EDUC 454 Student Teaching: Secondary (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
EDUC 471 (2 hrs) (substitute LANG 4417 taken through cooperative agreement with East Tennessee State University)

Course descriptions

FREN 111-112. Elementary French - A proficiency-oriented introductory course emphasizing oral communicative skills, including the essentials of grammar, practical vocabulary, and basic reading and writing skills within a cultural context. Three class periods and one laboratory period per week. French 111 offered fall term each year; French 112 offered spring term each year. Three semester hours each semester.

FREN 211-212. Intermediate French - A proficiency-oriented intermediate course consisting of a review of elementary skills and an integrated development of more complex listening, speaking, reading and writing skills. Cultural and literary readings serve as a basis for class discussion and written compositions. Three class periods and one laboratory period per week. French 211 offered fall term each year; French 212 offered spring term each year. Three semester hours each semester.

FREN 301-302. Advanced Conversation and Composition - Intensive practice in the oral and written language with emphasis on vocabulary, syntax, and culture necessary for communication. Classes are conducted in French. Prerequisite: French 211-212 or equivalent. French 301 offered fall term and French 302 offered spring term every three years (based on student demand). Three semester hours each semester.

FREN 311. Survey of French Literature I - A study of the major works of French literature from the Middle Ages through the Eighteenth Century. Selections from a variety of authors and genres are read. Readings and discussions are in French. Prerequisites: French 211 and 212 or equivalent. Offered fall term every three years (based on student demand). Three semester hours.

FREN 312. Survey of French Literature II - A study of the major works in French literature from the Nineteenth and Twentieth centuries. Selections from a variety of authors and genres are read. Readings and discussions are in French. Prerequisites: French 211 and 212 or equivalent. Offered spring term every three years (based on student demand). Three semester hours.

FREN 401. French Civilization and Culture I - An overview of French civilization and culture from prehistoric times to the present. Topics include geography, history, philosophy, art, and music. Readings, class discussion, and reports are in French. Prerequisites: French 211-212 or equivalent. Offered fall term every three years (based on student demand). Three semester hours.

FREN 402. French Civilization and Culture II - A cultural study of contemporary French society. Topics include family, religion, education, government, economy, and structure of society. Readings, class discussion, and reports are in French. Prerequisites: French 211-212 or equivalent. Offered spring term every three years (based on student demand). Three semester hours.

FREN 489. Directed Readings - A supervised program of readings which provides for study of material not included in the regular course offerings. Available on demand. One to three semester hours.

FREN 490. Directed Studies - A program of readings and conferences which provides for individualized study. Available on demand. One to three semester hours.

FREN 495. Seminar - A seminar designed to promote in-depth discussion, independent research, writing, and concentration in areas beyond regular course offerings. Topics vary from semester to semester. Available on demand. One to three semester hours per semester.

General Science

Area of Scientific Learning

The general science minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

Students may seek to have a general exposure to the field of science through the general science minor. Those students who are seeking education licensure in a major field will have a strong background in science which may qualify them to teach certain science courses. The flexibility which this allows a student who is interested in science as a complement to their chosen major may encourage more students to pursue their interest in the sciences.

Any student majoring in either biology or chemistry must choose the six courses required for the general science minor outside the field of biology or chemistry to satisfy the minor requirements.

General science minor (24 hrs)

with a minimum of one course from each discipline:

BIOL 111 and 112 Principles of Biology (8 hrs)
BIOL 360 Ecology (4 hrs)
CHEM 151 Organic and Physiological Chemistry for Non-Majors (4 hrs)
CHEM 170 and 171 General Chemistry (8 hrs)
PHYS 104 Earth and Space Science (4 hrs)
PHYS 203 and 204 General Physics/Calculus (8 hrs)

Supporting courses for the minor (4 - 6 hrs):

MATH 211 Calculus I (4 hrs) OR
MATH 111 College Algebra I and 112 College Algebra II and Trigonometry (6 hrs) OR
MATH 111 College Algebra I and 213 Statistics (6 hrs)

Geography

Area of Social Learning

The study of geography provides students with an awareness of the physical, economic, and political features of the world, the cultures which are encountered in the world's regions, as well as the instruments and devices used in the field of study.

GEOG 201. Developed World: Regional Geography - A regional survey of the world followed by an in-depth study of North America, Europe, Russia, Japan, and Oceania. Topics include aspects of political, economic, physical, and cultural geography. Offered spring term each year. Three semester hours.

GEOG 202. Developing World: Human Geography - An introduction to world/human geography emphasizing human geographic diversity and unity, space economy, functional organization, and human/environmental impacts. The content includes the study of population, language, religion, folk and popular culture, economic activity, and human impact on natural systems. This course fulfills the ethnic studies course requirement in the general education core. Offered each term. Three semester hours.

German

Area of Humane Learning

German is Europe's most widely distributed language. The official language of Austria, Germany, and Switzerland, German is the language of Europe's foremost business economy. Students of music, psychology, theology, and the laboratory sciences find German to be of inestimable value. Mastery of German at the intermediate level equips students to read, write, converse, and do basic academic research.

Milligan College offers German on a two-year cycle: GERM 111-112 will be offered in Fall 2004 and Spring 2005. GERM 211-212 will be offered in Fall 2003 and Spring 2004. GERM 489 and 490 are offered by individual arrangement with the professor.

GERM 111-112. Elementary German - The pronunciation and writing systems, dialogs and exercises for oral mastery of basic vocabulary and structural patterns, basic conversation, reading, and written composition. Three class periods and not less than two laboratory periods per week. GERM 111 offered fall term alternate years; GERM 112 offered spring term alternate years. Three semester hours each semester.

GERM 211-212. Intermediate German - Continued conversational practice, including discussion of timely topics based on readings from modern German literature and contemporary periodicals; writing practice and some grammar review. Three class periods and not less than one laboratory period per week. GERM 211 offered fall term alternate years; GERM 212 offered spring term alternate years. Three semester hours each semester.

GERM 489. Directed Readings - A supervised program of readings, which provides for study of material not included in the regular course offerings. One to three semester hours.

GERM 490. Directed Studies - A program of readings and conferences, which provides for individualized study. One to three semester hours.

Greek

Area of Humane Learning

Greek minor (18 hrs)

GREE 111-112. Elementary Greek - A study of the elements of Koine Greek including drill on simple phrases and sentences and the acquisition of vocabulary. Selected readings in New Testament literature are included in the second semester. Greek 111 offered fall term each year; Greek 112 offered spring term each year. Three semester hours each semester.

GREE 221-222. Intermediate Greek - The translation and grammatical analysis of New Testament passages representing a cross-section of Greek styles. The course also includes a study of intermediate grammar and some work with textual critical apparatus. Greek 221 offered fall term each year; Greek 222 offered spring term each year. Three semester hours each semester.

GREE 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. One to three semester hours.

GREE 331. Advanced Greek Exegesis - The study and practice of exegetical methodologies for interpreting the Greek New Testament, with emphasis on their uses in teaching and preaching. Introduction to textual criticism is included. Offered fall term as needed. Three semester hours.

GREE 332. Advanced Greek Readings - Selected readings in the Septuagint, Philo, Josephus, and the Apostolic Fathers with attention to historical-theological contributions of these writers and works. Offered spring term as needed. Three semester hours.

Health Care Administration

Area of Business

The health care administration minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the social sciences, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through stewardship of resources and preparation for graduate studies and a rewarding career or profession.

The health care administration minor allows students majoring in other areas to obtain adequate exposure to issues and topics within the health care profession. A student majoring in the health care administration track within the business administration major may not minor in health care administration.

Business major - B.A. or B.S. (45 hrs)

Health care administration emphasis

See "Business Administration" for more information about Milligan's business administration major with emphasis in health care administration.

Health care administration minor (18 hrs)

BADM 380 Introduction to Health Care Administration (3 hrs)
BADM 480 Long-Term Care Administration (3 hrs)
BADM 481 Policies and Issues in Health Care (3 hrs)
PSYC 250 General Psychology (3 hrs)
SOCL 321 Sociology of Death, Dying, and Bereavement (3 hrs)
SOCL 470 Health, Illness, and Health Care Systems (3 hrs)

Hebrew

Area of Humane Learning

HEBR 111-112. Elementary Biblical Hebrew - A study of the elements of biblical Hebrew, with an emphasis on vocabulary, verbal morphology, and basic grammar. Selected readings from the Hebrew Bible are included in the second semester. Offered fall and spring terms in periodic years. Three hours each semester.

HEBR 211-212. Intermediate Biblical Hebrew - A study of biblical Hebrew emphasizing grammar and syntax, with emphasis on achieving facility in reading the Hebrew Bible. Some attention is given to the use of textual critical apparatus. Offered fall and spring terms in periodic years. Three hours each semester.

History

Area of Social Learning

The study of history is one of the core disciplines of a liberal arts education. At Milligan the study of history is rooted in the conviction that knowledge of the past contributes to intellectual maturity and "an enriched quality of life," one of the objectives of the College's Mission Statement. In an age skeptical of tradition and infatuated with the contemporary, the study of history helps to broaden the student's world, leading to a richer understanding of the human condition in its various cultural, economic, and social contexts. The history major at Milligan also develops "a respect and enthusiasm for sound scholarship," as it introduces students to the various ways that scholars have understood, described, and interpreted the past.

The history faculty has designed the major to provide a broad intellectual foundation for entry into various professional fields. Milligan history majors have become teachers, lawyers, physicians, ministers, business professionals, and practicing historians.

Graduates with a major in history are expected (1) to develop an appreciation for history and the craft of the historian, considering the study of history from the point of view of Christians; (2) to be equipped for graduate study and for teaching history; (3) to be able to make use of basic research tools and resources in order to write well about history.

History major - B.A. (31 hrs)

The history major at Milligan leads to the B.A. degree, which requires the study of a foreign language through the intermediate level. Students majoring in history shall construct, in consultation with their advisers, a course of study that includes a broad range of courses extending from the ancient through the modern world. Courses taught by Professors Thomas and Farmer are scheduled according to a three-year cycle; most of these courses are taught at least once every third year.

- Six hours from HUMN 101, 102, 201, 202 (6 hrs)
- HIST 209 and 210 United States History Survey I and II (6 hrs)
- HIST 401 History and Historians (1 hr)
- Three hours in U.S. history beyond 209 and 210 (3 hrs)
- Fifteen elective hours selected in consultation with the adviser (15 hrs)

Completion of a foreign language through the intermediate level is required for the B.A.

History licensure programs (middle grades and secondary history)

- GEOG 201 Developed World: Regional Geography (3 hrs)
- GEOG 202 Developing World: Human Geography (3 hrs)
- SOCL 210 Introduction to Cultural Anthropology (3 hrs)
- HIST 209 and 210 United States History Survey I and II (6 hrs)
- HIST 401 History and Historians (1 hr)
- 6 hours from the humanities sequence (6 hrs)
- 3 hours of non-western history courses such as HIST 206 History of Islam, HIST 208 History of the Jews Since 70 A.D., or HIST 480 Seminar on Vietnam (3 hrs)
- Six hours of European history (6 hrs)
- Six hours from HIST 376, 377, 379, or 380 (6 hrs)
- HIST elective (3 hrs)

Professional education and other courses for middle grades licensure (52 hrs)

- EDUC 150 Introduction to Teaching (2 hrs)
- EDUC 152 Technology in Education (1 hr)
- EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
- EDUC 306 Middle Grades Foundations (3 hrs)
- EDUC 357 Content Area Reading (3 hrs)
- EDUC 406 Middle Grades Curriculum and Methods (3 hrs)
- EDUC 426 Middle Grades Language Arts (3 hrs)
- EDUC 453 Student Teaching: Middle Grades (12 hrs)
- EDUC 460 Capstone Seminar (1 hr)
- ART 441 Fine Arts Methods (3 hrs)
- BIOL 350 Science Methods (3 hrs)
- ENGL 354 Children's Literature (3 hrs)
- HIST 209 and 210 United States History Survey I and II (6 hrs)
- HPXS 440 Health and P.E. Methods (3 hrs)
- MATH 353 Math Methods (3 hrs)

For middle grades licensure purposes, the history major must be accompanied by an approved concentration for middle grades in an area other than social sciences.

Professional education and other courses for secondary licensure (30 hrs)

- EDUC 150 Introduction to Teaching (2 hrs)
- EDUC 152 Technology in Education (1 hr)
- EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
- EDUC 308 Secondary School Foundations (3 hrs)
- EDUC 357 Content Area Reading (3 hrs)
- EDUC 408 Secondary Education Methods (3 hrs)
- EDUC 454 Student Teaching: Secondary (12 hrs)
- EDUC 460 Capstone Seminar (1 hr)
- EDUC 471 Materials and Methods in Specific Subject Areas (2 hrs)

Students pursuing secondary history licensure may add endorsements in economics or government by completing either economics or political science minors.

History minor (18 hrs)

- Six hours from HUMN 101, 102, 201, 202 (6 hrs)
- Twelve elective hours in history (12 hrs)
- Bible majors may not use HIST 341-342 or 431-432 to fulfill the history minor requirements.

Course descriptions

HIST 206. History of Islam - A study of the political, religious, social, and cultural institutions of the Islamic world from the birth of Muhammad to the modern period. This course fulfills the ethnic studies course requirement in the general education core. Offered periodically. Three semester hours.

HIST 208. History of the Jews Since 70 A.D. - A social, cultural, theological, and political study of the Jewish people in the last two millennia. The course examines the influence and victimization of the Jews in Diaspora, giving special attention to such issues as the development of sacred texts; the rise of Christian-anti-Semitism; ghettoization and Enlightenment of European Jewry; the development of Hassidic, Reform, Conservative and Reconstruction Judaism; philo-Semitism; political anti-Semitism; Zionism; the Holocaust; the establishment and maintenance of

the State of Israel; and dispensationalism. Part of a three-year cycle in European history, this course will be offered in spring term of 2005 and 2008. The course fulfills the ethnic studies requirement in the general education requirements. Three semester hours.

HIST 209. United States History Survey I - A study of the history of the United States from the European encounter to the War Between the States. The course examines the growth of political institutions and the social and economic life of the people of the United States. Offered fall term each year. Three semester hours.

HIST 210. United States History Survey II - A study of the history of the United States from the War Between the States to the 1970s. The course examines the growth of political institutions and the social and economic life of the people of the United States. Offered spring term each year. Three semester hours.

HIST 271. History of Christian Missions - A survey of the history and progress of missions since the beginning of Christianity. Offered only on demand. Three semester hours. Same as CMIN 271.

HIST 275. Selected Topics in the History of the Reformation of the Nineteenth Century - An examination of the Stone-Campbell heritage including both primary and secondary readings intended to help students understand the church tradition (the "Restoration Movement") that is linked to the history of Milligan College. Students may not apply this course to a major in Bible or history. Prerequisite: sophomore standing or consent of instructor. Offered spring term each year. One semester hour.

HIST 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. One to three semester hours.

HIST 306. Medieval European Society - A study of the development of Western European civilization from the collapse of the Roman Empire through the fourteenth century. The course encompasses the political, economic, religious, and intellectual dimensions of medieval European culture and society. Prerequisite: HUMN 101-102 and 201-202, or six hours of European history, or consent of instructor. Offered periodically. Three semester hours.

HIST 323. Christian Thought in the Greco-Roman World - A course of readings in various representatives of the Christian tradition from the second through the fifth century, including Origen, Tertullian, Cyprian, Athanasius, Ambrose, and Augustine in their historical contexts. Special attention is given to the contributions of these thinkers to the development of the Christian tradition. This course may satisfy the Church history core elective for the Bible/Ministry major. Prerequisites: HUMN 101-102 and 201-202, or consent of the instructor. Offered periodically. Three semester hours.

HIST 324. Roman History through the Pax Romana - A study of Rome's progress from its origins through its Republican period and the peak of its Empire in the first two centuries of the Christian era (the Pax Romana). Prerequisite: HUMN 101-102 and 201-202, or six hours of European history, or consent of instructor. Offered spring term alternate years. Three semester hours.

HIST 326. Late Roman and Byzantine Empires - A study of Roman history from the end of the Pax Romana in the late second century A.D. The course examines the centuries of decline and collapse in the Western Empire as well as the Byzantine Empire to 1453. Prerequisites: HUMN 101-102 and 201-202 and HIST 324, or consent of instructor. Offered spring term alternate years. Three semester hours.

HIST 331. History of Modern Britain, 1688-Present - A diplomatic and cultural study of the British Isles since the Glorious Revolution of 1688 This course examines the remarkable British record of increasingly democratic constitutional reform that avoided the violence that shook the rest of Europe in the last three centuries. The study focuses special attention on the political, philosophical, and religious movements that have produced modern Britain. Prerequisites: HUMN 101, 102, 201, 202 or consent of the instructor. Part of a three-year cycle in European history, this course will be offered in Fall 2004, 2007, 2010. Three semester hours.

HIST 332. History of Modern France, 1789-Present - A diplomatic and cultural study of France since the Revolution of 1789. This course examines France's mercurial role as a Western power, and its vacillation between republicanism and autocracy through five republics and two empires. The course focuses special attention on the role of religion in the cultural and political life of the country. Prerequisite: HUMN 101-102 and 201-202 or consent of the instructor. Part of a three-year cycle in European history, this course will be offered in fall of 2003, 2006, 2009. Three semester hours.

HIST 333. History of Modern Germany, 1815-Present - A diplomatic and cultural study of Germany since the Congress of Vienna, this course examines Germany's rise from fragmentation within the Holy Roman Empire to its present role as an economic and cultural European giant. The study focuses special attention on the philosophical and religious movements that have shaped Germany's national character. Prerequisites: HUMN 101-102 and 201-202 or consent of the instructor. Part of a three-year cycle in European history, this course will be offered in spring of 2005, 2008, 2011. Three semester hours.

HIST 334. Issues in 20th Century Europe - A study of political, social, religious, and philosophical issues in Europe during the twentieth century This course examines the continent's major political philosophies: Marxism, fascism, and democracy. It investigates the "isms" of the past century, among them nationalism, anti-Semitism, Zionism, and imperialism with their related issues of church/state relations, emigration, xenophobia, union, and an alleged "post-Christian" age. Class discussion ties current events to their historical antecedents. Prerequisites: HUMN 101-102 and 201-202 or instructor's permission. Part of a three-year cycle in European history, this course will be offered in fall of 2005, 2008 and 2011. Three semester hours.

HIST 341-342. Church History - A study of the history of the church from its beginning to the present. The course examines the rise of theological patterns, denominational developments, and the church's response to prevailing culture. Prerequisites: HUMN 101-102 and 201-202 or six hours of history and consent of instructor. HIST 341 offered fall term and HIST 342 offered spring term each year. Three semester hours each semester.

HIST 343. History of Biblical Interpretation - A survey of the history of hermeneutics and exegesis in the Christian tradition from the ancient through the modern periods. The course examines the various principles and methods adopted by theologians in their attempts to explain the meaning of the biblical text. The course emphasizes a program of readings in commentaries and homiletic literature representing different periods in the history of Christianity. This course may satisfy the Church history core elective for the Bible/Ministry major. Prerequisites: HUMN 101-102 and 201-202 or consent of the instructor. Offered periodically. Three semester hours.

HIST 352. Reformations of the Sixteenth Century - A study of the religious and theological reform movements in sixteenth-century Europe. The course focuses on the various theologies of the period, exploring the meaning of the term "reformation" as it applies to the various religious

movements: Lutheran, Reformed, Radical, and Catholic. This course may satisfy the Church history core elective for the Bible/Ministry major. Prerequisite: HUMN 101-102 and 201-202, or six hours of European history, or consent of instructor. Offered periodically. Three semester hours.

HIST 376. Jefferson to Jackson - A study of the period between the lives of Thomas Jefferson and Andrew Jackson with attention given to the ideas and events which resulted in the emergence of the nation and the development of the frontier. Prerequisites: HIST 209 and 210 or consent of instructor. Offered fall term alternate years. Three semester hours.

HIST 377. The Middle Period: 1840-1880 - A survey of the core years of the Nineteenth Century in America. At the center of the course of study are the American Civil War, its causes, character, and consequences. Prerequisites: HIST 209 and 210 or consent of instructor. Offered spring term alternate years. Three semester hours.

HIST 379. The Gilded Age: 1877-1920 - An examination of the nation in the midst of its industrial development and rapid population growth with specific reference to the impact of that industrialization on American culture and on the American political system. Prerequisites: HIST 209 and 210 or consent of instructor. Offered fall term alternate years. Three semester hours.

HIST 380. The United States in the Twentieth Century - An exploration of U. S. culture and society from World War I to the present. Prerequisites: HIST 209 and 210 or consent of instructor. Offered spring term alternate years. Three semester hours.

HIST 401. History and Historians - A study of the discipline of history and the role played by historians in recording, writing, and interpreting history. Prerequisite: Junior or senior standing, twelve hours of history, and consent of instructor. Offered fall term each year. One semester hour.

HIST 431-432. Reformation of the Nineteenth Century - A study of the religious movement to restore New Testament Christianity as a basis for Christian union. HIST 432 may satisfy the Church history core elective for the Bible/Ministry major. Prerequisites: HUMN 101, 102, and 201 or consent of instructor. HIST 431 offered fall term each year; HIST 432 offered spring term each year. Three semester hours each semester.

HIST 450. The Holocaust - A study of the destruction of Europe's Jews by the Nazis. This study covers the general topic of anti-Semitism, anti-Jewish legislation, the implementation of the Final Solution, and the Jewish response. Offered spring term every three years. Three semester hours.

HIST 480. Seminar on Vietnam - A survey of the Vietnam era in American history. This course examines precursors in the U.S. and Southeast Asia, the Vietnam war era, and the war's legacies to the nation and its people. Both historical and psychological issues are examined. This course fulfills the ethnic studies course requirement in the general education core. Offered spring term alternate years. Three semester hours.

HIST 489. Directed Readings - A supervised program of readings, which provides for study of material not included in the regular course offerings. One to three semester hours.

HIST 490. Directed Studies - A program of readings and conferences, which provides for individualized study. One to three semester hours.

HIST 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Human Performance and Exercise Science

Area of Education

The human performance and exercise science program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.
- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatrical groups, student clubs, student government, and other campus-sponsored extracurricular endeavors, in preparation for life-long participation in similar activities.

Human performance and exercise science provides a holistic, scholarly approach to the study of human movement. Structural and functional aspects of movement efficiency, responses of the body to sport and exercise, and issues of health-related fitness and wellness are studied. A series of core courses prepares students for careers in physical education, fitness and wellness, or exercise science.

Students may choose from three emphases based on their career goals or plans for graduate study. The skills and knowledge gained through the human performance and exercise science program allow students to pursue jobs in school, community, or industrial settings and provide a springboard into various graduate programs, including physical therapy, occupational therapy and athletic training.

Teacher licensure in physical education (K-12) is optional. Additional requirements for licensure include: admission into the teacher education program (see the education licensure program section of the catalog), EDUC 150, 152, 455, 460, and PSYC 252.

Human Performance and Exercise Science major - B.A. or B.S. (38-39 hrs)

Core courses (15 hrs)

HPXS 271 Foundations of Wellness (3 hrs)
HPXS 308 Measurement and Evaluation (3 hrs)
HPXS 310 First Aid and CPR (1 hr)
HPXS 341 Exercise Physiology (4 hrs)*
HPXS 352 Kinesiology and Biomechanics (4 hrs)
*Prerequisite BIOL 251 Anatomy and Physiology

Emphases

Exercise Science (23 hrs)

BIOL 250 Anatomy and Physiology (4 hrs)
CHEM (4 hrs)
HPXS 333 Nutrition (3 hrs)
HPXS 401 Research and Computer Applications (3 hrs)
HPXS 436 Exercise in Health and Disease (3 hrs)
HPXS 491 Field Work (6 hrs)

Fitness and Wellness (24 hrs)

BADM 361 Principles of Management
BIOL 250 Anatomy and Physiology (4 hrs)
HPXS 207 Principles of Strength Training (2 hrs)
HPXS 401 Research and Computer Applications (3 hrs)
HPXS 409 Recreational Leadership and Outdoor Education (3 hrs)
HPXS 436 Exercise in Health and Disease (3 hrs)
HPXS 491 Field Work (6 hrs)

Physical Education (24 hrs)

HPXS 151 Fall Season Team Sports (1 hr)
HPXS 152 Spring Season Team Sports (1 hr)
HPXS 207 Principles of Strength Training (2 hrs)
HPXS 208 Folk Dance and Rhythmical Activities (1 hr)
HPXS 301 Teaching Individual and Dual Sports (2 hrs)
HPXS 312 Introduction, History, and Philosophy of Physical Education (3 hrs)
HPXS 350 Elementary Physical Education Methods (4 hrs)*
HPXS 370 Secondary Physical Education Methods (3 hrs)*
HPXS 404 Organization and Management of Physical Education and Sports (3 hrs)
HPXS 406 Adapted Physical Education (3 hrs)

*HPXS 491 Field Work for 3 hrs may be substituted for either 350 or 370 for a student not interested in a teaching setting.

Additional requirements for Physical Education K-12 licensure candidates:

- Acceptance into teacher education
- EDUC 150, 152, 455, 460, and PSYC 252

Course descriptions

HPXS 101. Fitness for Life - A study of the fundamentals, principles, and techniques for development of a lifestyle of wellness and fitness, following a holistic approach. The development and implementation of a personalized fitness program are included. Offered every term. One semester hour.

HPXS 151. Fall Season Team Sports - Active participation in skills, lead ups, and sports such as volleyball, field hockey, soccer, and football. Offered fall term every year. One semester hour.

HPXS 152. Spring Season Team Sports - Active participation in skills, lead ups, and sports such as basketball, team handball, softball, and ultimate Frisbee. Offered spring term every year. One semester hour.

HPXS 153. Golf and Pickleball - An introduction to basic strokes and skills necessary for active participation in golf and pickleball, including game competition and the application of official rules. Offered spring term each year. One semester hour.

HPXS 155. Beginning Badminton and Tennis - An introduction to basic strokes, skills, and game competition for beginning students in each of these lifetime sports. Offered fall term each year. One semester hour.

HPXS 156. Intermediate Badminton and Tennis - A course focusing on the skills and techniques of play for those beyond the level of beginners. Offered spring term each year. One semester hour.

HPXS 158. Snow Skiing - Instruction at a nearby ski resort. The class is divided according to level of skill, beginner to advanced. Special fee. Offered spring term each year. One semester hour.

HPXS 159. Horseback Riding - Instruction at nearby stables on gaited horses and English tack for beginners as well as intermediate and advanced riders. Special fee. Offered every term. One semester hour.

HPXS 160. Racquetball and Walleyball - An introduction to the basic strokes and skills necessary for participation in racquetball and walleyball, including game competition and application of official rules. Instruction at nearby racquetball facility. Special fee. Offered spring term each year. One semester hour.

HPXS 161. Archery and Racquetball - Knowledge and skill development in target archery and racquetball. Offered spring term each year. One semester hour.

HPXS 199. Special Activity - Activities not offered as material in regular course offerings, but as student interest indicates. Possibilities include scuba diving, weight lifting, karate, bicycling, and others. One semester hour.

HPXS 204. Swimming - A course designed for students with differing levels of swimming skills. American Red Cross certification is available through Level VII. A student majoring in human performance and exercise science may take a proficiency exam to receive credit for this course. Offered spring term each year. One semester hour.

HPXS 205. Lifeguarding - A course designed for students who are strong swimmers and proficient in basic swimming strokes. American Red Cross certification is available (Human Performance and Exercise Science 310b must be taken concurrently for lifeguard certification). Offered fall term each year. One semester hour.

HPXS 207. Principles of Strength Training - A study of strength training principles focusing on practical application. Students will learn to design individual programs in the context of athletics, general fitness, and recreation. Training adaptations and other physiological concepts will be discussed. Offered spring term even years. Two semester hours.

HPXS 208. Folk Dance and Rhythmical Activities - A study of rhythmical exercises, elementary steps, and folk dances of various countries. Appalachian mountain dances are included. Offered spring term each year. One semester hour.

HPXS 270. The Science of Athletic Performance - A course designed especially for those considering coaching, providing an overview of nutritional, physiological, and biomechanical considerations. Topics are presented in the context of their impact on training and conditioning and athletic performance. Offered spring term even years. Three semester hours.

HPXS 271. Foundations of Wellness - A study of mental, physical, and spiritual dimensions of wellness with an emphasis on exercise and nutrition. Each student is required to complete a wellness intervention in a campus, public school, or work setting. Offered spring term each year. Three semester hours

HPXS 301. Teaching Individual and Dual Sports - A study of the knowledge and skills necessary to play various sports, with an emphasis on

teaching techniques and the appreciation of lifetime sports. Offered fall term each year. Two semester hours.

HPXS 302a. Coaching and Officiating Track and Field - A study of coaching techniques, conditioning, skills, and strategies to prepare the student for coaching this sport. Knowledge of the rules and regulations is included. Offered spring term odd years. Two semester hours.

HPXS 302b. Coaching and Officiating Basketball - A study of coaching techniques, conditioning, skills, and strategies to prepare the student for coaching this sport. Knowledge of the rules and regulations is included. Offered fall term each year. Two semester hours.

HPXS 302c. Coaching and Officiating Football - A study of coaching techniques, conditioning, skills, and strategies to prepare the student for coaching and officiating this sport. Knowledge of the rules and regulations is included. Offered spring term each year. Two semester hours.

HPXS 302d. Coaching and Officiating Softball and Baseball - A study of coaching techniques, conditioning, skills, and strategies to prepare the student for coaching and officiating these sports. Knowledge of the rules and regulations is included. Offered fall term each year. Two semester hours.

HPXS 302e. Coaching and Officiating Volleyball - A study of coaching techniques, conditioning, skills, and strategies to prepare the student for coaching and officiating this sport. Knowledge of the rules and regulations is included. Offered spring term even years. Two semester hours.

HPXS 302f. Coaching and Officiating Soccer - A study of coaching techniques, conditioning, skills, and strategies to prepare the student for coaching and officiating this sport. Knowledge of the rules and regulations is included. Offered fall term each year. Two semester hours.

HPXS 308. Measurement and Evaluation - A focus on the development of the knowledge, skills, and procedures necessary for testing and evaluating different populations in school, laboratory, or field settings. It is recommended that a student complete Mathematics 213 prior to enrollment in this course. Offered fall term each year. Three semester hours.

HPXS 309. Sports Injuries - A course designed to familiarize the student with recognition and management of injuries related to sports participation. Also covered are aspects of sports medicine, conditioning, strength training, nutrition, and protective equipment. Offered spring term each year. Three semester hours.

HPXS 310a. First Aid and CPR - A course focusing on training in basic first aid and cardiopulmonary resuscitation. The American Red Cross certifications are earned. This course does not fulfill the Human Performance and Exercise Science activity general education requirement. Offered every term. One semester hour.

HPXS 310b. CPR for the Professional Rescuer - A study of infant, child, and two-person adult CPR. This certification is a prerequisite to obtaining Red Cross Certification in lifeguarding (Human Performance and Exercise Science 205) and should be taken concurrently. This course does not fulfill the Human Performance and Exercise Science activity general education requirement. Offered fall term each year. One semester hour.

HPXS 312. Introduction, History, and Philosophy of Physical Education - An introduction to the profession. Consideration is given to the pioneers in the field of physical education, to its historical development, and to the principles and philosophy that led to the modern program. Offered fall term each year. Three semester hours.

HPXS 322. Psychology and Philosophy of Coaching - A study of philosophy and psychology as they apply to sport and coaching. Emphasis is placed on developing a personal philosophy of coaching which gives direction in using psychological principles in sport. Offered fall term each year. Three semester hours.

HPXS 333. Nutrition - A more advanced study of basic nutrition concepts, building on content covered in HPXS 101 Fitness for Life and HPXS 271 Foundations of Wellness. Nutrients and their requirements, sources, digestions, and roles in body function are covered with emphasis on their relation to exercise and athletics. Offered spring term odd years. Three semester hours.

HPXS 341. Exercise Physiology - A study of the physiological and biochemical responses of the human body to exercise. The basic concepts of physiology are applied to sports performance, personal wellness, and aging. Prerequisite: BIOL 250. Offered fall term each year. Four semester hours.

HPXS 350. Elementary Physical Education Methods - A practical study of methods, materials, techniques, and skills in teaching physical education to elementary students (grades K-6). Age-appropriate motor development; motor learning, assessment; teaching of movement concepts and basic motor skills, sport and team activities, classroom management, group activities, wellness; and lesson plan preparation and presentation are several components of this course. Field experience and portfolio preparation included. Enrollment limited to students admitted to the professional level of the teacher education program or permission of the instructor. Offered fall term each year. Four semester hours.

HPXS 351. Health Education - A study of the principles and practices of health education. Emphasis is placed on methods and techniques for teaching. Fieldwork is required. Enrollment limited to Human Performance and Exercise Science students admitted to the professional level of the teacher education program. Offered each term. Three semester hours.

HPXS 352. Kinesiology and Biomechanics - An introduction to the study of the internal and external forces which act on the human body and the effects these forces produce, with special emphasis on the musculo-skeletal system, its development, and its involvement during movement. Prerequisite: HPXS 341. Offered spring term each year. Four semester hours.

HPXS 370. Secondary Physical Education Methods - A practical study of methods, materials, techniques, and skills in teaching physical education to secondary students (grades 7-12). Age appropriate development; assessment; teaching of lifetime fitness/wellness and lifetime leisure sports and activities; classroom management; and lesson plan preparation and presentation are several components of this course. Field experience and portfolio preparation are included. Enrollment limited to students admitted to the professional level of the teacher education program or permission of the instructor. Offered spring term each year. Three semester hours.

HPXS 380. Sports Promotion, Finance, and Marketing - A course designed to provide students with a practical application of strategies and techniques used in sports promotion, marketing, public relations, finance, and fund raising in both the sports and recreation industries. Practicum included. Offered spring term even years. Three semester hours.

HPXS 381. Sports Facilities and Management - A study of current issues and trends in sports management, facility design and maintenance, and event management. Practicum included. Offered spring term odd years. Three semester hours.

HPXS 401. Research and Computer Applications - An investigation of research techniques and methods used in various types of research and an introduction to science-based databases, culminating in the presentation of a research proposal. Prerequisite: MATH 213 or permission of instructor. Offered spring term odd years. Three semester hours.

HPXS 404. Organization and Management of Physical Education and Sports - A study of school problems, including curriculum development; program organization and supervision; and school, amateur, and professional sports. Offered spring term every year. Three semester hours.

HPXS 406. Adapted Physical Education - A study of normal and abnormal growth and development of persons with disabilities. Teaching techniques, programs, and services for each disability are presented. Practical experience is expected as part of the course. Offered fall term even years. Three semester hours.

HPXS 409. Recreational Leadership and Outdoor Education - A study of the administration and leadership of recreational activities and outdoor educational pursuits. The course includes experience in such activities as camping, hiking, mountain climbing, and orienteering with limited practical application. Each student designs a weekend outdoor activity/retreat. Offered fall term each year. Three semester hours.

HPXS 436. Exercise in Health and Disease - A study of the relationship of exercise to the components of wellness and healthy lifestyles, including an in-depth look at the interrelationship of exercise with coronary heart disease, obesity, and nutrition. Exercise prescription for the healthy and diseased is explored. Prerequisite: HPXS 341. Offered fall term each year. Three semester hours.

HPXS 440. Health and Physical Education Methods - Reading, discussion, and application of fitness and health concerns of children, Kindergarten through Grade Eight. The course includes instruction and practice related to physical activity and rhythmical activities. Emphasis is on integration of health and physical education topics and activities into the school curriculum, grades K-8. Enrollment is limited to students admitted to the professional level of the teacher education program. Not for Human Performance and Exercise Science majors. Offered fall term each year. Three semester hours.

HPXS 489. Directed Readings - A supervised program of readings which provides for study of material not included in the regular course offerings. One to three semester hours.

HPXS 490. Directed Studies - A program of readings and conferences which provides for individualized study. One to three semester hours.

HPXS 491. Field Work - A practicum experience that involves the student in a position of supervising/teaching/leading individuals in a school, community, wellness center, or hospital setting. Offered every term. One to six semester hours.

Humanities

Area of Humane Learning

The humanities major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts. . . .
- Students will gain an enriched quality of life through . . . appreciation for the arts . . . and preparation for graduate studies and a rewarding career or profession.

The purpose of the major in humanities is to allow students to pursue an interdisciplinary course of study. Although the major is not structured as a prevocational course, it does provide a broad undergraduate education from which a student can move into several graduate programs including law or into teaching. It focuses upon the great ideas that have shaped history and created contemporary civilizations.

Graduates with a major in humanities will demonstrate the ability to (1) plan, create, and carry out an interdisciplinary major in the humanities designed to meet individual interests and career goals; (2) design and carry out an extensive interdisciplinary research or creative project under the guidance of a faculty committee recruited by the student; (3) make connections between academic disciplines and between those disciplines and their Christian faith.

Humanities major - B.A. (24 hrs)

Requirements for the humanities major are 24 hours of junior and senior level course work, including at least three hours of Humanities 490, and approved courses from among the disciplines of history, literature, philosophy, fine arts, foreign language, and Bible. A few selected 200 level courses have also been approved for inclusion in this major; the humanities advisers have a listing of the specific courses. The humanities major is available only as a Bachelor of Arts degree; therefore, foreign language through the intermediate level is required.

The humanities major offers specialization in one or more of the following fields: **literature**, **history**, **fine arts**, **foreign language** (Spanish or French only), and **Bible**. With advisement, this major may satisfy the better part of the "two concentrations" required for middle grades licensure.

Each student who selects a major in humanities works with an adviser, usually the Director of Humanities, to design a program to meet the needs and desires of the individual student. The student working with an advisory committee plans the HUMN 490 course.

Students with a humanities major are encouraged to fulfill requirements for a **minor** from the disciplines of *Bible*, *English*, *fine arts*, *foreign language*, *history*, *philosophy*, or *educational studies*. However, students who choose a minor in other fields (or who choose not to do a minor) may still select a major in humanities. There is no humanities minor.

Middle grades humanities teacher licensure programs

HUMN 101, 102, 201, and 202 (24 hrs)
HUMN 490 Reading and Research in Humane Learning (3 hrs)
HIST 209 and 210 United States History Survey I and II (6 hrs)
15 hours of 300 and 400 level course work from among the disciplines of literature, history, fine arts, foreign language (Spanish or French only), and Bible (15 hrs)

Professional education and other courses for middle grades licensure (52 hrs):
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 306 Middle Grades Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods (3 hrs)
EDUC 426 Middle Grades Language Arts (3 hrs)
EDUC 453 Student Teaching: Middle Grades (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
ART 441 Fine Arts Methods (3 hrs)
BIOL 350 Science Methods (3 hrs)
ENGL 354 Children's Literature (3 hrs)
HIST 209 and 210 United States History Survey I and II (6 hrs)
HPXS 440 Health and P.E. Methods (3 hrs)
MATH 353 Math Methods (3 hrs)

Course descriptions

HUMN 091. College Reading and Study Skills - An integrated approach to college-level reading and study strategies, including concentration, comprehension, note-taking, test-taking, and time management, designed to accompany Humanities 101 and 102. Not applicable toward the 128 hours required for a degree. Offered every term. Two semester hours.

HUMN 093. Fundamental College Writing - A course providing extra instruction for students who demonstrate writing skills below the college level. The course includes work in basic sentence structure, paragraph structure, and grammar. Students also practice organizing and developing essays. Not applicable toward the 128 hours required for a degree. Offered every term. One semester hour.

HUMN 101. Humanities - An interdisciplinary course involving extensive reading in history, literature, philosophy, and fine arts, as well as concentrated work in composition. Special attention is given to instruction in writing and to the history of civilization from prehistory to the fourteenth century. Humanities 101W-Critical Thinking and Writing in the Humanities. Humanities 101S-Discussion of the Humanities. Enrollment in 101W and 101S must be concurrent unless repeating the course (or in cases where the student already has appropriate credit through transfer, AP, etc.). Students must earn a C- or better in HUMN 101W (beginning fall semester 2003) in order to advance to HUMN 202W and to meet the writing requirements for graduation. At the writing professor's discretion, students with more severe writing difficulties may be required also to complete successfully (i.e., pass with a C- or better) HUMN 093 when repeating HUMN 101W. HUMN 101S offered fall term each year. HUMN 101W offered fall term each year and spring term as staffing allows. Six semester hours (101W for three semester hours; 101S for three semester hours).

HUMN 102. Humanities - An interdisciplinary course involving extensive reading in history, literature, philosophy, and fine arts. Special attention is given to world literature and to philosophy from the fourteenth to the eighteenth centuries. Offered spring term each year. Six semester hours.

HUMN 111. Humanities: The Ancient Near East and Classical Greece - An interdisciplinary study of the history, literature, philosophy, and fine arts of western culture to 336 B.C. Emphasis is placed on texts considered classics in the western tradition. Open to students in the adult degree completion program (ADCP) and transfer students needing fewer than twelve hours to complete their humanities requirements. Offered fall term based on student demand. One to three semester hours.

HUMN 112. Humanities: The Hellenistic World, Ancient Rome, and the Middle Ages - An interdisciplinary study of the history, literature, philosophy, and fine arts of western culture from 336 B.C. to 1300. Emphasis is placed on texts considered classics in the western tradition. Open to students in the adult degree completion program (ADCP) and transfer students needing fewer than twelve hours to complete their humanities requirements. Offered spring term based on student demand. One to three semester hours.

HUMN 113. Humanities: The Late Middle Ages, Renaissance, and Reformation - An interdisciplinary study of the history, literature, philosophy, and fine arts of western culture from 1300 to 1563. Emphasis is placed on texts considered classics in the western tradition. Open to students in the adult degree completion program (ADCP) and transfer students needing fewer than twelve hours to complete their humanities requirements. Offered fall term based on student demand. One to three semester hours.

HUMN 114. Humanities: The Late Renaissance and Seventeenth Century - An interdisciplinary study of the history, literature, philosophy, and fine arts of western culture from 1563 to 1715. Emphasis is placed on texts considered classics in the western tradition. Open to students in the adult degree completion program (ADCP) and transfer students needing fewer than twelve hours to complete their humanities requirements. Offered spring term based on student demand. One to three semester hours.

HUMN 200. Humanities European Study Tour - A study tour of ten European countries. Visits are made to sites of both historical and cultural significance. In addition to the travel, students complete writing assignments and fulfill all the academic obligations outlined by the tour professor. Humanities 200 may be taken in lieu of HUMN 202S (three hours). Offered every summer. Three semester hours.

HUMN 201. Humanities - A continuation of the program of HUMN 101-102 from the eighteenth century through the nineteenth century in which special attention is given to the fine arts and the history of civilization. Offered fall term each year. Six semester hours.

HUMN 202. Humanities - A continuation of the program of HUMN 101, 102, and 201 with special attention to argumentative writing and world literature since 1900. HUMN 202W-Argumentative Writing in the Humanities. HUMN 202S-Discussion of the Humanities. Enrollment in 202W and 202S must be concurrent unless repeating the course or taking HUMN 200 in place of 202S (or in cases where the student already has appropriate credit through transfer). Offered spring term each year. Six semester hours (101W for three semester hours; 101S for three semester hours).

Note: HUMN 101-102 is a required course of study for all freshmen working toward a B.A., B.S., or B.S.N. degree. HUMN 201-202 is a required course of study for all sophomores working toward a B.A., B.S., or B.S.N. degree. Once a student enrolls in the daytime program at

Milligan College, still needing humanities courses as part of the core, those courses must be taken at Milligan College.

HUMN 285. Japanese Literature (in translation) - A study of the character and culture of the Japanese people by analyzing their society and history through readings of twentieth-century Japanese fiction. (Readings are by Japanese authors in English translation.) This course fulfills the ethnic studies course requirement in the general education core. Offered spring term alternate years. Three semester hours.

HUMN 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. One to three semester hours.

HUMN 380. Jesus in the Arts - An exploration of the creative images of Jesus throughout the centuries, drawing examples from the literary, dramatic, visual, musical, kinetic, and cinematic arts, seeking a deeper appreciation for the arts in the life of the church and for the impact of the image of Jesus in people's lives. Offered periodically. Three semester hours.

HUMN 490. Reading and Research in Humane Learning - An individualized course of study to be determined by the student and an advisory committee. At least three hours of Humanities 490 are required for every humanities major. Students writing an undergraduate thesis in humanities may be allowed up to twelve semester hours of Humanities 490. One to six semester hours per semester.

HUMN 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Language Arts

Area of Humane Learning

The language arts major supports the following goal of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts . . . and to understand a significant body of material in their major fields of study.

Graduates who earn a language arts major go on to teach in public and private schools, to study library science/information technology, and to work in marketing, customer assistance, and other aspects of the business world.

The course of study in language arts is designed to enable students (1) to read literary texts with appreciation and understanding; (2) to write clearly and effectively; and (3) to acquire a broad knowledge base in literature, language, and theatre arts which will enable them to pursue a career in middle grades education or other related fields.

There is no language arts minor.

Language arts major - B.A. (33 hrs)

Six hours of literature from HUMN 101, 102, 201, 202 (6 hrs)
Six hours of foreign language (French or Spanish only for those pursuing middle grades licensure) at the intermediate level or higher (6 hrs)
ENGL 304 or 305 Survey of American Literature (3 hrs)
ENGL 311 Advanced Grammar (3 hrs)
ENGL 402 Short Story (3 hrs)
ENGL 460 Elizabethan Drama or 461 Jacobean Drama (3 hrs)
ENGL, THEA or foreign language electives at the 300 or 400 level (Those seeking middle grades licensure should select ENGL 354 as one of the electives.) (9 hrs)
The language arts major is available only as a Bachelor of Arts degree; therefore, foreign language through the intermediate level is required.

Language Arts major (middle grades licensure)

Six hours of literature from HUMN 101, 102, 201, 202 (6 hrs)
Six hours of foreign language (FREN or SPAN only) intermediate level or higher (6 hrs)
ENGL 304 Survey of American Literature (3 hrs)
ENGL 311 Advanced Grammar (3 hrs)
ENGL 354 Children's Literature (3 hrs)
ENGL 402 Short Story (3 hrs)
ENGL 460 Elizabethan Drama or 461 Jacobean Drama (3 hrs)
ENGL, THEA, or foreign language electives at the 300 or 400 level (Those seeking middle grades licensure should select ENGL 354 as one of the electives.) (6 hrs)

Professional education and other courses for middle grades licensure in language arts (52 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 306 Middle Grades Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods (3 hrs)
EDUC 426 Middle Grades Language Arts (3 hrs)
EDUC 453 Student Teaching: Middle Grades (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
ART 441 Fine Arts Methods (3 hrs)
BIOL 350 Science Methods (3 hrs)
ENGL 354 Children's Literature (3 hrs)
HIST 209 and 210 United States History Survey I and II (6 hrs)
HPXS 440 Health and P.E. Methods (3 hrs)
MATH 353 Math Methods (3 hrs)

Legal Studies

Area of Business

The legal studies minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the social sciences, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through stewardship of resources and preparation for graduate studies and a rewarding career or profession.

Business administration major - B.A. or B.S. (39 hrs)

Legal studies emphasis

See "Business Administration" for more information about the business administration major with legal studies emphasis.

Legal studies minor (18 hrs)

The minor in legal studies is designed for students interested in acquiring a deeper understanding of the modern legal system. It is ideally suited for those students interested in attending law school and/or pursuing a career in the legal profession.

LS 110 Legal Reasoning and Analysis (3 hrs)
LS 420 Law and Christianity (3 hrs)
POLS 202 American National Government (3 hrs)
Nine hours of electives chosen from the following: LS 210, 304, 320, 355, 491, and 495; BADM 321 and 322; and POLS 203

Course descriptions

LS 110. Legal Reasoning and Analysis - A detailed study of judicial decision-making and its relationship to the handling of disputes at different levels of the legal structure and various stages of the legal process. Using case-law materials, the techniques of legal reasoning and styles of legal thinking, along with the ways in which judicial decisions are able to respond to the demands of social change are investigated. Consideration is given to techniques of reading legal texts, strategies of interpretation, legal reasoning, decision-making, and persuasion. Offered fall term alternate years. Three semester hours.

LS 210. Legal Research and Writing - An introduction to basic legal research and writing, using a combination of readings, workshops, practice assignments, and a comprehensive project. Students will access statutes, cases, and secondary sources utilizing both traditional and computerized research methods. Research assignments culminate with a challenging project addressing several issues of law with the results presented in a legal memorandum. Offered fall term alternate years. Three semester hours.

LS 304. Global Political Economies - A survey of the economic, political, and social effects of globalization both domestically and internationally. Emphasis is given to understanding the influence of governmental institutions and regulations upon individual societies. Topics include administrative law, antitrust law, comparative law, employment law, consumer protection, securities regulation, and international trade. This course fulfills the ethnic studies course requirement in the general education core. Offered spring term each year. Three semester hours.

LS 320. Civil Rights and Liberties - A survey of the American Constitution with an emphasis on the role of the judicial branch in determining the contours of the relationship between the individual and the state. Selected Supreme Court cases are studied. The Bill of Rights is the focus of most of these opinions, with the First Amendment receiving the most attention. Offered fall term alternate years. Three semester hours.

LS 355. Criminal Law and Procedure - A broad introduction to the American criminal justice system. Topics include how crimes are legally defined, legal defenses, and Constitutional limitations. The three major components of the criminal justice system are examined: law enforcement, the judicial system, and corrections. In particular, the focus is on each component's relationship to substantive and procedural law. Offered spring term alternate years. Three semester hours.

LS 420. Law and Christianity - A study of the relationship that exists between Christianity and the law. Students examine the issues of how human laws relate to God's laws, the foundational principles of a biblical jurisprudence, the nature of responsibility and punishment, mercy and judgment. Attention is paid to whether law can truly be considered a calling and the unique responsibility Christian legal professionals have in society. Prerequisite: LS 110 or permission of instructor. Offered spring term alternate years. Three semester hours.

LS 491. Internship - A supervised field work in various law offices and legal agencies, designed to give the student broad exposure and initial practical competencies. Three to six semester hours.

LS 495. Seminar - A seminar designed to promote in-depth discussion, independent research and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Mathematics

Area of Scientific Learning

The mathematics major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The major is designed for students interested in careers in mathematics, teaching, and industry. It will prepare students for employment in government or industry, teaching in high schools or middle schools, or for graduate study in mathematics.

Graduates with a major in mathematics are expected to (1) demonstrate proficiency in the core areas of knowledge in mathematics which includes calculus (analysis), algebra, and logic; (2) demonstrate analytical thinking and problem solving skills relevant to the analysis of abstract mathematical ideas and the solving of applied mathematical problems; (3) demonstrate oral and written communication skills necessary to convey abstract mathematical ideas clearly to their peers and others who require such information; (4) acquire the knowledge and skills necessary for a variety of careers which use mathematics as well as receive preparation sufficient for further study in mathematics.

Mathematics major - B.A. (30 hrs)

MATH 211 and 212 Calculus I and II (8 hrs)
MATH 301 An Introduction to Mathematical Logic (3 hrs)
MATH 303 Multivariable Calculus (4 hrs)
MATH 307 Linear Algebra (3 hrs)
MATH 495 Seminar (3 hrs)
Nine additional hours of math courses at the 200 level or above
As a Bachelor of Arts degree, foreign language through the intermediate level is required.

Within one semester of completing the core courses (MATH 211, 212, 301, 303, and 307), students must take and pass a core exam. The core exam will cover material from each of the five core courses. Credit may not be received for both MATH 213 and 314.

Mathematics major - B.S. (36 hrs)

MATH 211and 212 Calculus I and II (8 hrs)
MATH 301 An Introduction to Mathematical Logic (3 hrs)
MATH 303 Multivariable Calculus (4 hrs)
MATH 307 Linear Algebra (3 hrs)
MATH 495 Seminar (3 hrs)
Fifteen additional hours of math courses at the 200 level or above

Within one semester of completing the core courses (MATH 211, 212, 301, 303, and 307), students must take and pass a core exam. The core exam will cover material from each of the five core courses. In addition, competency in a structured computer language is required for students majoring in mathematics. Credit may not be received for both MATH 213 and 314.

Middle grades and secondary mathematics teacher licensure program

MATH 211 and 212 Calculus I and II (8 hrs)
MATH 213 Statistics (3 hrs)
MATH 214 Discrete Math (3 hrs)
MATH 301 An Introduction to Mathematical Logic (3 hrs)
MATH 303 Multivariable Calculus (4 hrs)
MATH 304 Modern Geometry (3 hrs)
MATH 307 Linear Algebra (3 hrs)
MATH 308 Modern Algebra (3 hr)
MATH 309 Differential Equations (3 hrs)
MATH 495 Seminar (3 hrs)

Professional education and other courses

Middle grades licensure (52 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 306 Middle Grades Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods (3 hrs)
EDUC 426 Middle Grades Language Arts (3 hrs)
EDUC 453 Student Teaching: Middle Grades (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
ART 441 Fine Arts Methods (3 hrs)
BIOL 350 Science Methods (3 hrs)
ENGL 354 Children's Literature (3 hrs)
HIST 209 and 210 United States History Survey I and II (6 hrs)
HPXS 440 Health and P.E. Methods (3 hrs)
MATH 353 Math Methods (3 hrs)

Secondary licensure (30 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 308 Secondary School Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 408 Secondary Education Methods (3 hrs)
EDUC 454 Student Teaching: Secondary (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
EDUC 471 Materials and Methods in Specific Subject Areas (2 hrs)

Mathematics minor (18 hrs)

MATH 211and 212 Calculus I and II (8 hrs)
MATH 303 Multivariable Calculus (4 hrs)
Six additional hours of math at the 200 level or above

Course descriptions

MATH 090. Developmental Mathematics - A review of basic arithmetic and an introduction to beginning topics in algebra. This course attempts to build connections between arithmetic and algebra and to ease the transition to a class in College Algebra or other college level work. It also includes topics in beginning statistics and geometry. It is not applicable toward the 128 hours required for a degree. Students are not allowed to withdraw from MATH 090. Offered fall term each year. One semester hour.

MATH 107. Principles of Mathematics - An introduction to a variety of mathematical fields including analysis, algebra, probability and statistics, logic, number theory, and topology, together with an analysis of some of the major contributions mathematics has made to civilization. Offered fall term each year. Three semester hours.

MATH 111. College Algebra I - A study of algebraic methods; the natural numbers, the integers, the rationals, and the real numbers; algebraic expressions including polynomials, rational expressions, exponents and radicals, equations and inequalities; and function theory including domain, range, composition, inverses, and graphing techniques. Offered fall term each year. Three semester hours.

MATH 112. College Algebra II and Trigonometry - A continuation of Mathematics 111 including the study of exponential and logarithmic functions, vectors, and complex numbers. Also included is an in-depth presentation of trigonometric functions: their values, graphs, inverses, and identities; with application to triangles, circles, and some mechanics. Prerequisite: MATH 111 or equivalent. Offered spring term each year. Three semester hours.

MATH 153. Fundamental Concepts I - Not available to math majors or minors. A study of the real number system and its field properties, as well as a study of elementary geometry. As tools for the development of topics, a study is also made of set theory and various numeration systems. Emphasis is placed on problem solving, knowledge of the metric system, and creative use of the calculator in the classroom. This course is appropriate only for students in middle grades and early childhood education programs. Offered spring term each year. Three semester hours.

MATH 211. Calculus I - A study of functions, limits, derivatives, and integrals including their definition, calculation, and application. Prerequisite: MATH 112 or equivalent. Offered fall term each year. Four semester hours.

MATH 212. Calculus II - A study of transcendental functions, their differentiation and integration, formal integration, the conics, Taylor's formula, and infinite series. Prerequisite: MATH 211. Offered spring term each year. Four semester hours.

MATH 213. Statistics - A study of data analysis and statistical inference. Topics include descriptive statistics, an introduction to probability, continuous and discrete random variables, probability distributions, basic sampling techniques, confidence intervals, hypothesis testing with small and large samples, linear regression and correlation, and an introduction to the analysis of variance. Prerequisite: High school algebra or equivalent. Offered every term. Three semester hours.

MATH 214. Discrete Mathematics - A study of discrete mathematical structures such as sets, permutations, relations, graphs, and finite state machines as well as a variety of mathematics used to study these structures including recursion, induction, counting, algorithms, and finite calculus (difference equations). This course is especially recommended for those whose major or minor is either computer information systems or computer science. Offered spring term alternate years. Three semester hours.

MATH 253. Fundamental Concepts II - Not available to math majors or minors. An introductory study in logic, probability, statistics, and elementary algebra, together with appropriate teaching strategies for each of these. This course is appropriate for students in middle grades and early childhood education programs. Offered fall term each year. Three semester hours.

MATH 290. Independent Study - Individual study to enable the student either to study material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. One to three semester hours.

MATH 301. An Introduction to Mathematical Logic - A study of propositional logic in abstract mathematics and an introduction to the basic structures of modern mathematics including set theory, cardinality, induction, relations, and functions, with particular emphasis on the reading and writing of proofs. Prerequisite: MATH 212 or consent of instructor. Offered spring term each year. Three semester hours.

MATH 303. Multivariable Calculus - A study of three dimensional analytic geometry, curves, calculus of functions of several variables, line integrals, and differential equations. Prerequisite: MATH 212. Offered fall term each year. Four semester hours.

MATH 304. Modern Geometry - A study of axiomatic systems, logic, and Euclidean and non-Euclidean geometries from an historical viewpoint. Euclidean incidence, betweenness, congruence, and separation are studied along with models for non-Euclidean geometries and their impact on mathematical thought. Recommended for prospective teachers of mathematics. Offered fall term alternate years. Three semester hours.

MATH 307. Linear Algebra - A study of vector spaces, matrices and linear systems, determinants, inner products, and linear transformations. Prerequisite: MATH 212. Offered fall term alternate years. Three semester hours.

MATH 308. Modern Algebra - A study of algebraic structures such as rings, fields, groups, and integral domains. Recommended for math majors. Prerequisite: MATH 301. Offered spring term alternate years. Three semester hours.

MATH 309. Differential Equations - A study of the differential equations, their meaning, types of solutions, and uses. Recommended for math majors and minors interested in chemistry and applied math. Prerequisite: MATH 303 and 307. Offered spring term each year. Three semester hours.

MATH 310. Topology - A study of open sets, closed sets, functions, continuity, compactness, connectedness, product spaces, and homemorphism. Prerequisite: MATH 301. Offered spring term upon demand. Three semester hours.

MATH 314. Probability and Statistics I - A study of probability distributions and inferential as well as descriptive statistics. Topics such as frequency tables, measures of central tendency and dispersion, confidence intervals, and tests of hypothesis are included. Prerequisite: MATH 303. Offered fall term alternate years. Three semester hours.

MATH 315. Probability and Statistics II - A continuation of Mathematics 314 which includes an introduction to decision theory, estimation, and hypothesis testing, as well as a discussion of ANOV, nonparametric methods, and other tests. In addition, the course includes an introduction to computer based statistical packages. Prerequisite: MATH 314. Offered spring term alternate years. Three semester hours.

MATH 351. Mathematical Modeling - A survey of the construction and development of mathematical models used in science and industry. The mathematics developed contributes to an understanding of the model as well as the associated scientific problem that is approximate. Prerequisites: MATH 307 and 309. Offered spring term upon demand. Three semester hours.

MATH 353. Math Methods - A study of the presentation of calculation skills and applied mathematics problem solving appropriate to upper ele-

mentary and middle grades classrooms (Grades 5-8). Remediation strategies and substantial field experience are included. Enrollment is limited to students admitted to the professional level of the teacher education program. Offered spring term each year. Two semester hours.

MATH 408. Numerical Analysis - A study which enables one to write mathematical processes such as integration, differentiation, matrix inversion, and estimation of roots, with arithmetic operations. Study includes orientation toward machine computation. Prerequisites: MATH 307 and 309 and a computer language. Offered fall term alternate years. Three semester hours.

MATH 411. Introduction to Real Analysis - A study of the algebraic and topological propetties of the real numbers, functions of a real variable, continuity, differentiation, convergency of sequences of functions, Lebesque measure and integration, Riemann-Stieltjes integration, and general measures. Prerequisite: MATH 310. Offered fall term upon demand. Three semester hours.

MATH 490. Independent Study - Individual work in mathematics under the direct supervision of an instructor. Prerequisite: twenty-four hours of mathematics and consent of the instructor. Offered upon demand. One to three semester hours.

MATH 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. Offered fall term alternate years. One to three semester hours.

Missions

Area of Biblical Learning

Missions service to the global church has always been central to the educational mission and purpose of Milligan College, whether that service takes place locally or in more distant regions of the world. For persons whose primary commitment is to the mission mandate of the church, the College "provides opportunities for education in Bible . . ." which are "shaped by a Christian world view."

The emphasis in missions is directly tied to the following College objectives as it 1) strengthens students in their "Positive, Personal Christian Faith That Jesus is Lord and Savior" through class studies and interactions with the College community; 2) deepens their "Commitment to Follow the Teachings of the Christian Sctipture in One's Personal and Social Ethics" by challenging them to play a personal role in responding to the missions mandate of the church; 3) cultivates their "Capacity to Recognize and Assume Responsibility in Society" when they encounter missionaries on furlough via the College's Visiting Missionary program, participate in short-term missions trips, complete the required internship, and in other ways encounter the needs of the world; and 4) refines their "Knowledge, Meaning, and Application of Sound Scholarship" when they examine and analyze both their faith and their knowledge of the world via classes and more informal campus activities.

The course of missions study at Milligan College is designed primarily to prepare people for missions' leadership ministry in the church. For this reason, its strength has long resided in its interdisciplinary structure, offering students a wide diversity of missions options via examples from church history, more contemporary situations, and internship placements. The emphasis is a part of the Bible/Ministry major since an understanding of the universe and one's own place in it is predicated upon an understanding of God's purposes as revealed in the scriptures. However, because effective missionary ministry also entails an understanding of human nature, missions study at Milligan College incorporates a solid foundation in the social sciences. It is this unique combination of the two disciplines — Bible/Ministry and sociology — which comprises the core of Milligan's missions emphasis.

Milligan College expects those who graduate with a missions emphasis to 1) be prepared for service in a missions leadership role in the church; 2) be able, in culturally appropriate ways, to prepare and preach sermons or teach lessons which have solid scriptural content; 3) have a good foundation in biblical, church historical, social, and practical studies for lifelong learning; 4) be well-prepared to pursue seminary or graduate education; and 5) be a good Christian example of a missions-minded student of scripture. Emphases of spititual dependence upon God, solid academic study including serious study of the Bible and the social sciences and practices of both integrity and effectiveness highlight the lives of those persons who complete the missions emphasis.

Bible/ministry major - B.A. (37-38 hrs)

Missions emphasis

For information about the Bible/Ministry major with the missions emphasis, see the Bible/Ministry major. The program of study in the Bible/Ministry major with a missions emphasis leads to the B.A. degree, which requires the study of a foreign language through the intermediate level. Because it is interdisciplinary in nature, the missions curriculum includes both a major and a minor. Furthermore, students who wish to add to this program of study may, in consultation with their faculty advisers and respective faculty chairs, work toward a double major and/or a double minor.

Missions minor (21 hrs)

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
Three additional hours of New Testament courses
Three additional hours of Old Testament courses
CMIN 250-253 Practical Ministries Colloquium A - D (2 hrs)
CMIN 270 Introduction to Christian Missions or 271 History of Christian Missions (3 hrs)
HIST 275 Selected Topics in the History of the Reformation of the Nineteenth Century (1 hr)
SOCL 210 Introduction to Cultural Anthropology (3 hrs)

Music

Area of Performing, Visual, and Communicative Arts

The purpose of the music program is to provide training for students seeking careers in music and to promote understanding and enjoyment of music in the College at large. Students may major or minor in music, or simply elect music courses to enrich their quality of life. Details of music requirements may be found in the Music Student Handbook.

The general music studies and music education majors support the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts ... and to understand a significant body of material in their major fields of study.

Areas of applied music offered at Milligan College include voice, piano, guitar, organ, brass, woodwinds, strings, and percussion instruments. All areas of applied study are available to all students at Milligan College.

Choral ensembles include Concert Choir, Chamber Singers, Heritage, Milligan Men, and Milligan Singers. Instrumental ensembles include Beginning String Ensemble, Brass Choir, Chamber Orchestra, Civic Band (performance with the Johnson City Community Concert Band), Early Music Ensemble, Jazz Ensemble, Johnson City Symphony Orchestra, Pep Band, and String Quartet. All ensembles are open to the entire Milligan College community. Some require an audition.

In order to be appropriately placed in the music program at Milligan College, a prospective student must

- Meet all entrance requirements of the College;
- Satisfactorily complete a personal interview and audition with members of the music faculty or submit a cassette tape or CD of performance on an instrument or voice;
- Take an examination in ear training and elementary theory to determine entry level.

The personal audition and interview will allow the faculty to become acquainted with each prospective candidate, and will give an idea of future potential for success in the music program. The preliminary examination will be given at the time of the interview. If the candidate sends a recording in lieu of a personal audition, the preliminary test may be taken online or via USPS.

The preliminary test will determine the candidates' ability to read music. If they have had no prior musical experience, enrollment in MUSC 141 Basic Music Reading Skills will be required. Otherwise, they will be placed in MUSC 143 Basic Music Theory/Ear Training.

General Music Studies major - B.A. (38 hrs)

The general music studies curriculum requires a core of music courses, and an emphasis in either jazz studies or applied study. Students who select this major may wish to teach music privately in a studio, pursue a college teaching career, or a performing career. Completion of a foreign language through the intermediate level is required. This degree is not a substitute for a music education degree.

Applied music study for the general music studies major and minor may be in voice, piano, organ, guitar, brass, woodwinds, strings, and percussion instruments. Either the principal or the secondary applied area for the general music studies major and minor must be piano, unless a proficiency (MUSC 207) in piano is demonstrated (for the major).

Music majors fulfill their particular ensemble requirement with participation in at least four of the required six semester hours of ensembles that use their particular applied study skills.

General music studies majors with a principal applied area in percussion, brass, or woodwinds must satisfy their four semester hour ensemble requirements with one semester hour of Johnson City Symphony Orchestra or Johnson City Community Concert Band (Civic Band). A maximum of two semester hours in jazz ensemble may count toward the ensemble credit.

Students may choose any of the above ensembles for the fourth semester hour. Participation in Milligan Singers or Concert Choir fulfills the ensemble requirement for students whose principal applied area is voice or keyboard. Participation in Johnson City or Kingsport Symphony Orchestras, as well as Milligan College Chamber Orchestra, fulfills the ensemble requirement for students whose applied area is a stringed instrument.

Concert and recital attendance is required of the general music studies major for eight semesters (attending six concerts), and of the minor for four semesters (attending four concerts). Failure to meet all recital attendance requirements results in a five percent reduction in every music class grade for the semester.

Core

MUSC 143 Basic Music Theory/Ear Training (3 hrs)
MUSC 144 Basic Music Theory/Ear Training (3 hrs)
MUSC 243 Advanced Music Theory/Ear Training (3 hrs)
MUSC 265 Music History Survey (3 hrs)
MUSC 363 Basic Conducting (3 hrs)
Ensemble for 6 hours (.5 to 1.5 hrs per semester)
Applied Music
  Principal area of concentration (4 hrs min./4 semesters)
  Secondary area of concentration (2 semesters minimum OR until a piano proficiency [MUSC 207] is completed
Concert and recital attendance

Emphases

Applied Study emphasis (12 hrs)

MUSC 244 Advanced Music Theory/Ear Training (3 hrs)
MUSC 408 Senior Recital (1 hr)
MUSC 456 Seminar (Vocal, strings, or piano pedagogy - 2 hrs)
Four additional semesters of principal area of concentration (4 hrs)
Electives chosen in consultation with adviser (19 hrs)

Jazz Studies emphasis (12 hrs)

MUSC 266 History of Jazz (3 hrs)
MUSC 321 Jazz improvisation (3 hrs)
MUSC 348 Orchestration and Arranging (2 hrs)
MUSC 421 Advanced Jazz Methods (3 hrs)
MUSC 490 Senior Project (1 hr)
Electives chosen in consultation with adviser (19 hrs)

Music education major - B.A. (37.5 hrs)

The music education curriculum is designed as an interdisciplinary program for the student planning a career in teaching music. Students majoring in music education must choose either the instrumental or vocal emphasis. Licensure is K-12 vocal/general and instrumental. This degree requires nine semesters of study.

The student is trained in voice or an orchestral instrument, piano, conducting, and in the materials and methods of elementary and high school music education. The student is also trained in educational applications of computer and digital keyboard technology. Opportunities for field work in area schools, including directed teaching, broaden the student's education.

Applied music study for the music education major may be in voice, piano, organ, guitar, brass, woodwinds, strings, and percussion instruments. Either the principal or secondary concentration must be voice for those students with a major in music education with the vocal emphasis. Either the principal or secondary concentration must be instrumental (not piano) for those students with a major in music education with the instrumental emphasis. Either the principal or the secondary applied area for the music education major must be piano unless a proficiency (MUSC 207) in piano is completed.

Music majors fulfill their particular ensemble requirement with participation in at least four of the required six semester hours of ensembles that use their particular applied study skills. Ensemble participation cannot occur during Student Teaching: K-12 Practicum (EDUC 455).

Music education-instrumental majors with a principal applied area in percussion, brass, or woodwinds must satisfy their four-semester hours of ensemble requirements with at least one semester hour of East Tennessee State University marching band and one semester hour of Johnson City Symphony Orchestra or Johnson City Community Concert Band (Civic Band). A maximum of two semester hours in Jazz Ensemble may count toward the ensemble credit. Students may use any combinations of these ensembles to satisfy this requirement, as long as they fulfill minimum and maximum requirements.

Participation in Johnson City or Kingsport Symphony Orchestras, as well as Milligan College Chamber Orchestra, fulfills the ensemble requirement for students whose applied area is a stringed instrument.

Music education-vocal majors whose principal applied area is voice or keyboard must satisfy their four-semester hours if ensemble requirements with participation in Concert Choir or Milligan Singers.

Concert and recital attendance is required of the music education major for eight semesters (attending six concerts), except during Student Teaching: K-12 Practicum (EDUC 455). Failure to meet all recital attendance requirements results in a five percent reduction in every music class grade for the semester.

Music education

MUSC 143 Basic Music Theory/Ear Training (3 hrs)
MUSC 144 Basic Music Theory/Ear Training (3 hrs)
MUSC 243 Advanced Music/Theory/Ear Training (3 hrs)
MUSC 244 Advanced Music/Theory/Ear Training (3 hrs)
MUSC 348 Orchestration and Arranging (2 hrs)
MUSC 363 Basic Conducting (3 hrs)
MUSC 367 Music History and Literature I (3 hrs)
MUSC 368 Music History and Literature II (3 hrs)
Ensemble (6 hrs)
Applied music
Principal area of concentration (7 hrs minimum/7 semesters)
Secondary area of concentration (1.5 hrs/3 semesters minimum OR until a piano proficiency [MUSC 207] is completed)
Concert and recital attendance (8 semesters [6 concerts/semester] except during Student Teaching: K-12 Practicum [EDUC 455])

Professional education courses (23 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education or MUSC 211 Introduction to Music Technology (2 hrs)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 455 Student Teaching: K-12 (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
PSYC 252 Developmental Psychology (3 hrs)*
*Fulfills 3 hrs of social learning requirements in GER

Teacher licensure requirements

Instrumental emphasis (15 hrs)

MUSC 271 Instrumental Methods I (3 hrs)
MUSC 272 Instrumental Methods II (3 hrs)
MUSC 364 Advanced Conducting (3 hrs)
MUSC 450 Methods and Materials for Secondary Music-Instrumental (3 hrs)
MUSC 451 Methods and Materials for Elementary Music (3 hrs)

Vocal emphasis (11 hrs)

MUSC 255 Introduction to Instrumental Techniques (2 hrs)
MUSC 364 Advanced Conducting (3 hrs)
MUSC 451 Methods and Materials for Elementary Music (3 hrs)
MUSC 452 Methods and Materials for Secondary Music-Vocal (3 hrs)

Fine Arts major - B.A. (38 hrs)

Music emphasis

A student may declare a fine arts major with an emphasis in music. For further information on this major, refer to the information under the listing of Fine Arts.

General music studies minor (19 hrs)

MUSC 143 Basic Music Theory/Ear Training (3 hrs)
MUSC 144 Basic Music Theory/Ear Training (3 hrs)
MUSC 265 Music History Survey (3 hrs)
MUSC 363 Basic Conducting (3 hrs)
Ensemble for 4 semesters (.5 to 1.5 hrs per ensemble per semester)
Applied Music:
Principal concentration for a minimum of 4 semesters
Secondary concentration for a minimum of 2 semesters

Music ministry minor (21.5 hrs)

The music ministry minor fits well with numerous majors. The study of music ministry may serve to foster students' avocational interests as well as prepare them for more concentrated music studies in the future.

MUSC 143 - 144 Basic Music Theory/Ear Training (6 hrs)
MUSC 265 Music History Survey (3 hrs)
MUSC 363 Basic Conducting (3 hrs)
MUSC 369 Planning and Leading Congregational Music (2 hrs)
MUSC 491 Practicum in Music Ministry (1 hr)

Ensemble (4 hrs)
Applied Music:
Principal concentration for a minimum of 3 semesters (1.5 hrs)
Secondary concentration for a minimum of 2 semesters (1 hr)
Concert attendance for 4 semesters (attending 4 concerts/semester)

General music studies minors with a principal area in percussion, brass, or woodwinds may satisfy two semester hours of the ensemble requirement with jazz ensemble, and two semester hours in any combination of ETSU marching band, Johnson City Symphony Orchestra, or Johnson City Community Concert Band (Civic Band).

Concert and recital attendance is required of the general music studies major for eight semesters (attending six concerts), and of the minor for four semesters (attending four concerts). Failure to meet all recital attendance requirements results in a five percent reduction in every music class grade for the semester.

Course descriptions

MUSC 100. Applied Study-Voice - Individual instruction in singing. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is voice. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 101, 102, 201. Piano as a Secondary Concentration - Applied study for non-piano music majors and minors. Preparation toward attainment of proficiency for music majors. Two class meetings and one lab per week. Music 101 and 201 offered fall term each year; Music 102 offered spring term each year. Two semester hours.

MUSC 104. Applied Study-Piano - Individual instruction in piano. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is piano. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 105. Applied Study-Organ - Individual instruction in organ. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is organ. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 106. Applied Study-Guitar - Individual instruction in guitar. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is guitar. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 107. Applied Study-Flute - Individual instruction in flute. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is flute. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 109. Applied Study-Clarinet - Individual instruction in clarinet. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is clarinet. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 110. Applied Study-Saxophone - Individual instruction in saxophone. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is saxophone. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 111. Applied Study-Violin - Individual instruction in violin. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is violin. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 112. Applied Study-Viola - Individual instruction in viola. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is viola. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 113. Applied Study-Cello - Individual instruction in cello. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is cello. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 114. Applied Study-Percussion - Individual instruction in percussion. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is percussion. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 115. Applied Study-Trumpet - Individual instruction in trumpet. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is trumpet. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 116. Applied Study-Horn - Individual instruction in French horn. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is French horn. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 117. Applied Study-Trombone - Individual instruction in trombone. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is trombone. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 118. Applied Study-Bass - Individual instruction in bass. Open to all students. Offered every term. One semester hour (one hour lesson per week) for music majors whose principal area of concentration is bass. One-half semester hour (one-half hour lesson per week) for all other students.

MUSC 124. Piano Class for Beginners - Group instruction for non-music majors and minors with no previous piano experience. The course teaches basic skills in piano playing, music reading, and theory. Students will learn to play various styles of piano music. Offered every term. Two semester hours.

MUSC 141. Basic Music Reading Skills - A study of the basic fundamentals of music. Open to all students. Does not satisfy any requirements for the music major. Offered fall term each year. Three semester hours.

MUSC 143-144. Basic Music Theory/Ear Training - A course in beginning written theory, including a laboratory session for developing aural skills. Music 143 offered fall term each year; Music 144 offered spring

term each year. Three semester hours.

MUSC 150. World Music - An introduction to music styles of the world. Readings, discussion, listening to recorded examples, and exposure to performers and instruments of world cultures. Musical skill not required. This course fulfills the ethnic studies requirement in the core. Offered spring term alternate years. Three semester hours.

MUSC 180. Milligan Singers - A women's choral ensemble studying various styles of literature. Open to all female students by audition. Offered every term. One semester hour.

MUSC 181. Heritage - An auditioned a cappella ensemble of four to six singers-men and women-which represents the College in churches, at area civic organizations, and at college functions. This ensemble does not satisfy the ensemble requirement for music majors and minors. Offered every term. One-half semester hour.

MUSC 182. Civic Band - Performance with the Johnson City Community Concert Band. One rehearsal per week. Offered every term. One-half semester hour.

MUSC 184. Concert Choir - An auditioned mixed chorus with a repertoire of major choral selections. High standards of vocal technique and musicianship are required. The Choir tours during spring break each year, and performs on numerous other occasions. Commitment is for both semesters. Offered every term. One and a half semester hours.

MUSC 185. Pep Band - An instrumental ensemble devoted to performance of music during select Milligan College athletic events. Open to all students. Offered every term. One-half semester hour.

MUSC 186. Chamber Singers - A small mixed chorus of selected singers who study and perform varied repertoire. The singers perform for limited outside engagements and at the annual Christmas Dinners. Offered fall term each year. One semester hour.

MUSC 189. Johnson City Symphony Orchestra - Performance with the Johnson City Symphony Orchestra. One rehearsal per week for two and one-half hours. Offered every term. One-half semester hour.

MUSC 190. Beginning String Ensemble - Ensemble performing experience for beginning strings students. Offered every term. One-half semester hour.

MUSC 191. Jazz Ensemble - Organization is devoted to performance of jazz and pop styles, with emphasis on ensemble playing, solo playing, and improvisation. Open to all students by audition. Offered every term. One semester hour.

MUSC 192. Chamber Orchestra - String orchestra rehearsing and performing representative literature. Open to all students. Offered every term. One-half semester hour.

MUSC 193. Milligan Men - An ensemble of selected voices performing a variety of styles of music. One-half semester hour.

MUSC 194. Brass Ensemble - An instrumental ensemble composed of brass instruments devoted to the study and performance of literature written specifically for brass. Offered every term. One-half semester hour.

MUSC 195. Early Music Ensemble - Consort of strings, recorders, or other early instruments. Plays for annual Christmas Dinners and other events. Offered as needed. One-half semester hour.

MUSC 196. String Quartet - A chamber ensemble for string players which performs for on and off campus events. Open to all students by audition. Offered every term. One-half semester hour.

MUSC 207. Piano Proficiency - A test of general accomplishment in the music major's secondary applied concentration. Achievement must be completed to fulfill secondary requirements. Offered every term. No credit.

MUSC 211. Introduction to Music Technology - An introductory survey of the practical application of MIDI keyboards, computers, and interactive workstations as they relate to music. The course includes hands-on exploration of MIDI keyboard instruments, computers, and related software. Offered fall term alternate years. Two semester hours.

MUSC 243-244. Advanced Music Theory/Ear Training - A course in advanced written theory, including standard musical forms and contemporary music. A concurrent laboratory session develops and maintains aural skills. Prerequisite: Music 144 or permission of the instructor. Music 243 offered fall term each year; Music 244 offered spring term each year. Three semester hours.

MUSC 255. Introduction to Instrumental Techniques-Brass/Percussion/Woodwinds/Strings. The structure, use, techniques of playing, and care of the principal instruments in school instrumental organizations. Emphasis is on techniques necessary for basic understanding of the instruments. This course is for music education majors whose emphasis is vocal. Offered fall term alternate years. Two semester hours.

MUSC 263. Survey of Pop Music - The study and appreciation of American Popular music from 1900 to the present. Offered fall term every year. Three semester hours.

MUSC 265. Music History Survey - Studies in techniques, forms, styles, and composers of the musical periods from the Renaissance to the present. Not open to music education or music ministry majors. Offered spring term alternate years. Three semester hours.

MUSC 266. History of Jazz - Origins, development, styles, composers, and major performers of the jazz movement, from the beginnings of jazz to the present day. Offered spring semester alternate years. Three semester hours.

MUSC 271. Instrumental Methods I - A study of brass and string instruments, with emphasis on playing fundamentals, materials, and pedagogical aspects. For music education majors whose emphasis is instrumental. Offered fall term alternate years. Three semester hours.

MUSC 272. Instrumental Methods II - A study of percussion and woodwind instruments, with emphasis on playing fundamentals, materials, and pedagogical aspects. This course is for music education majors whose emphasis is instrumental. Offered spring term alternate years. Three semester hours.

MUSC 321. Jazz Improvisation - Theory and techniques of jazz improvisation with an emphasis on functional harmony, melodic form, special scales, tune studies, ear training, and development of style. Offered spring term every year. Three semester hours.

MUSC 345. Composition - Techniques of musical composition in standard song forms, as well as instrumental solo and ensemble forms. Prerequisite: Music 144. Offered fall term alternate years. Two semester hours.

MUSC 347. Form and Analysis - A study of major forms of music from

the Baroque period through the Twentieth Century. Prerequisite: Music 244 or permission of the instructor. Offered fall term alternate years. Two semester hours.

MUSC 348. Orchestration and Arranging - A course covering basic characteristics, arranging, and compositional techniques for orchestral instruments. Prerequisite: Music 244 or permission of the instructor. Offered spring term alternate years. Two semester hours.

MUSC 363. Basic Conducting - A study of conducting techniques, elements of interpretation, and practice in sight-singing and rhythmic complexities. Prerequisite: Music 144. Offered fall term alternate years. Three semester hours.

MUSC 364. Advanced Conducting - Advanced conducting techniques, including problems of tone, balance, and interpretation. Prerequisite: Music 363. Offered spring term alternate years. Three semester hours.

MUSC 367. Music History and Literature I - A survey of the development of Western music through Baroque, citing major composers and forms of each style period. Prerequisite: Music 144, or consent of the instructor. Offered fall term alternate years. Three semester hours.

MUSC 368. Music History and Literature II - A survey of the development of Western Music from Classical to the present, citing major composers and forms of each style period. Prerequisite: Music 367 or consent of the instructor. Offered spring term alternate years. Three semester hours.

MUSC 369. Planning and Leading Congregational Music - A survey of hymn, praise chorus, and scripture song literature of the church, with consideration for methods of selection and leadership of congregational musical worship. Offered spring term alternate years. Two semester hours.

MUSC 390. Independent Study - An individualized course which enables the student to study material either not covered in the curriculum or not covered in a single course. The instructor determines the course of study. Offered as needed. One to three hours credit.

MUSC 408. Senior Recital - One-hour performance. Required for the general music studies major with an emphasis in applied study. Offered every term. One semester hour.

MUSC 421. Advanced Jazz Methods - A study of advanced theory and techniques of jazz improvisation with additional emphasis on jazz styles and analysis, time studies, chord progressions, ear training, and jazz concepts. Enrollment must be approved by the instructor. Offered spring term each year. Three semester hours.

MUSC 450. Methods and Materials for Secondary Music - Instrumental-A study of philosophy, curriculum, and methods and materials of teaching instrumental music and directing bands and orchestras. Prerequisite: Music 244. Offered spring term alternate years. Three semester hours.

MUSC 451. Methods and Materials for Elementary Music - A study of methods and materials of teaching music to children including studies of the child's musical development (K-6). Prerequisite: Music 244. Offered fall term alternate years. Three semester hours.

MUSC 452. Methods and Materials for Secondary Music - Vocal-A study of philosophy, curriculum, and methods and materials of teaching music and directing ensembles. Prerequisite: Music 244. Offered spring term alternate years. Three semester hours.

MUSC 453. Music and Worship - A study of the historical, philosophical, and theological interrelationship of music and worship. Offered fall term alternate years. Three semester hours.

MUSC 454. Music Ministry Methods - A study of the practical aspects of music ministry in the local church. Offered spring term alternate years. Three semester hours.

MUSC 456. Seminar - Seminars in specific areas of music for advanced students in voice pedagogy, piano pedagogy, accompanying, organ history and literature, piano literature, violin pedagogy, and opera workshop. Offered as needed. Two semester hours.

MUSC 490. Senior Project - An individualized course of study (thesis, lecture/demonstration, or other project) to be determined by the student and a faculty committee. Often interdisciplinary in nature, the project relates to the student's career interests. This course serves as the culminating project for the general music studies-jazz studies major. Offered every term. One to two semester hours.

MUSC 491. Practicum in Music Ministry - Required of all music ministry minors. Supervised work in an approved church music program. Offered as needed. One semester hour.

Nursing

Area of Nursing

The nursing major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources and preparation for graduate studies and a rewarding career or profession.

The nursing science curriculum provides students with opportunities to develop, test, and use nursing knowledge, skills, and rationale in a variety of community-based settings. Courses for the Bachelor of Science in Nursing degree prepare students for worldwide professional nursing career opportunities and for graduate study.

The graduate will be able to use critical thinking to: (1) Provide professional nursing care using a synthesis of knowledge derived from relevant life experiences; scientific, social, humane and Biblical learning; nursing theory and research; (2) Institute developmentally appropriate nursing interventions based on actual and potential degrees of client system stress reaction, resources, goals, and anticipated outcomes; (3) Communicate therapeutically with culturally diverse clients and client systems; (4) Initiate primary, secondary, or tertiary prevention interventions with culturally diverse clients and client systems (individuals, families, groups, and communities) through the use of the nursing process; (5) Incorporate professional, legal, and ethical nursing standards based upon a Christian perspective; (6) Assume responsibility and accountability for personal development and ongoing evaluation of the effectiveness of own clinical nursing practice; (7) Contribute to the enhancement of quality nursing and health care practices within a variety of settings; (8) Evaluate research findings for their relevance and application to primary, secondary, or tertiary prevention interventions with clients or client systems; (9) Use an open system approach to communication in collaborative, consultative, and interdisciplinary relationships.

Nursing studies build on the liberal arts and sciences tradition of Milligan College. The following courses are required for nursing majors and fulfill designated components of the core curriculum: COMM 102, MATH 213, and PSYC 252. BIOL 250, 251, and 380 are required prerequisites for the nursing major.

Nursing major - B.S.N. (62 hrs)

NURS 202/202L Health Assessment (2 hrs) with Lab (1 hr)
NURS 210/210C Fundamentals of Nursing (2 hrs) with Clinical (2 hrs)
NURS 220/220C Fundamentals of Nursing II (2 hrs) with Clinical (2 hrs)
NURS 300 Nursing Pharmacology (3 hrs)
NURS 302 Primary Prevention and Health Promotion (2 hrs)
NURS 310/310C Client System Stressors and Reactions (3 hrs) with Clinical (2 hrs)
NURS 313/313C Nursing Interventions with Special Populations (Childbearing Family) (3 hrs) with Clinical (2 hrs)
NURS 320/320C Complex Client System Stressors and Reactions (3 hrs) with Clinical (2 hrs)
NURS 323/323C Nursing Interventions with Special Populations (Infants, Children, and Adolescents) (3 hrs) with Clinical (2 hrs)
NURS 350 Introduction to Nursing Research (3 hrs)
NURS 403/403C Nursing Interventions with Special Populations (Psych) (3 hrs) with Clinical (2 hrs)
NURS 410/410C Critical Client Stressors and Reactions (3 hrs) with Clinical (2 hrs)
NURS 420/420P Management of Patient Care Systems (3 hrs) with Nursing Management Preceptorship (2 hrs)
NURS 422/422C Nursing in Community Health Systems (3 hrs) with Clinical (2 hrs)
NURS 424 Professional Nursing Issues (2 hrs)
NURS 460 Nursing Capstone Seminar (1 hr)

Upon satisfactory completion of the nursing program requirements, graduates of the program become eligible to sit for the NCLEX-RN licensure examination.

The area of nursing reserves the right to update and change the nursing curriculum at the beginning of any academic semester in conjunction with current professional nursing standards. All students seeking to pursue the curriculum plan leading toward a baccalaureate degree in nursing are required to follow a three-step process: initial acceptance, progression, and retention. Students who have been initially accepted are NOT guaranteed progression in the nursing major. Progression must be sought through an application process and is limited by the availability of spaces in the class.

The area of nursing does not automatically deny admission to any individual with a criminal record. However, the Tennessee Board of Nursing will deny licensure applications of individuals with criminal records of any kind.

Students who have been enrolled in nursing courses at other colleges or universities who wish to transfer to Milligan College must meet the same core curriculum requirements for progression. Transfer students will also be expected to demonstrate the same proficiency skills (N210/210C and N220/ 220C) and achieve the established passing standard on the designated competency evaluations.

RN/LPN career mobility plan

Milligan College supports the State of Tennessee Careet Mobility Plan for Registered Nurses and Licensed Practical Nurses.

RNs and LPNs seeking to meet degree requirements will follow the articulation plan outlined below. These students may receive advanced placement credits that will be considered equivalent to specific required nursing courses. LPNs are required to enroll in N201/201C and N202/202L as their pre-nursing requirements. RNs are required to enroll in N202/202L. Both RNs and LPNs are expected to seek progression into the major upon completion of the required core and pre-nursing requirements.

RN career mobility plan

Registered nurses articulating to the baccalaureate degree level in nursing may be awarded or may transfer nursing credits to Milligan College equivalent to approximately one year of nursing courses in this program. Only a grade of C or better in previously taken nursing courses is eligible for consideration in this option.

Required core curriculum course credits are transferred and awarded according to pre-established policies of Milligan College. All degree candi-

dates are expected to meet the core curriculum requirements in addition to the nursing program requirements. Students are expected to complete the arts and sciences core curriculum requirements, Nursing 202/202L, and to have been progressed into the nursing major prior to enrolling in any 300 level nursing course.

Nursing credits that are awarded or transferred under this articulation model are placed on individual transcripts by Milligan College only after the student has successfully completed Nursing 301/301C at Milligan College. All students enrolling in the B.S.N. program under the career mobility plan are expected to complete a minimum of 45 semester hours at Milligan College.

Advanced placement testing is required for graduates of non-NLNAC or CCNE accredited programs and for students who have not been in active clinical practice in the past three years. Students who seek to meet degree requirements through advanced placement testing must successfully complete all of the designated standardized challenge exams according to the established passing standard in order to receive course credits. Test results will be considered valid for a three-year period. Students may repeat a given test once. If the student is not successful in passing the test on the second attempt, the student will be required to enroll in the course(s) of comparable content at Milligan College.

LPN mobility plan

Milligan College supports the mobility plan for Licensed Practical Nurses. LPNs articulating to the baccalaureate degree level in nursing may be awarded transfer credits to Milligan equivalent to the fundamentals of nursing courses offered during the sophomore year. Only courses in which a grade of C or better was earned in the LPN program are eligible for consideration in this option.

Required core curriculum course credits may be transferred and awarded according to pre-established policies of Milligan College. All students enrolling in the B.S.N. program under the career mobility plan are expected to complete a minimum of 45 semester houts at Milligan College.

Nursing credits that are awarded or transferred under this articulation model will be placed on individual transcripts by Milligan only after the student has successfully completed Nursing 201/201C and 202/202L at Milligan

Course descriptions

NURS 198. Medical Terminology - A course open to all students considering entry into health care related professions. This course is designed to assist students to identify and define the root words, suffixes, prefixes, and combining forms commonly found in medical terminology. Student learning activities and exercises are utilized to assist students to remember significant concepts and to understand the meaning of new words by defining the elements contained within them. Offered every semester. One semester hour; one clock hour.

NURS 201. Nursing Systems and Process: LPN Transition Course - An overview of the concepts of holistic professional nursing and the nursing process. This process is presented as a critical thinking and problem-solving tool for identifying client system stressors and for initiating primary, secondary, and tertiary prevention nursing interventions. Prerequisites: Current LPN/LVN licensure and CHEM 150, 151, or equivalents. Pre/Co-requisites: BIOL 250, 251, and 380 or equivalents. Co-requisites: 201C and 202/202L. Offered spring term each year (dependent on student need). Three semester hours; three clock hours.

NURS 201C. Nursing Systems and Process: LPN Transition Clinical - Opportunities to use the nursing process as a critical thinking and problem-solving tool for identifying and initiating primary, secondary, and tertiary nursing interventions within this clinical component. Previously learned technical nursing arts and skills are validated. Co-requisite: NURS 201. Offered spring term each year (dependent on student need). One semester hour; three clock hours.

NURS 202. Health Assessment - An exploration of the knowledge, observational, interactional, and psychomotor skills required for assessing the health status and needs of clients of all ages. Pre/Co-requisites: BIOL 250, 251; NURS 210/ 210C or equivalents; or current RN licensure and permission of faculty. Co-requisite: NURS 202L. Offered spring term each year. Two semester hours; two clock hours.

NURS 202L. Health Assessment Lab - Opportunities to practice the assessment modalities of inspection, palpation, percussion, and auscultation are provided. Students are expected to conduct regional and comprehensive physical examinations within the campus lab setting. Co-requisite: NURS 202. Offered spring term each year. One semester hour; three clock hours.

NURS 210. Fundamentals of Nursing - An introduction to the fundamental concepts of holistic nursing and the nursing process. This process is presented as a critical thinking and problem-solving tool for identifying client system stressors and for initiating primary, secondary, and tertiary prevention nursing interventions. Pre/Co-requisite: BIOL 250 and 380. Co-requisite: NURS 210C. Offered fall term each year. Two semester hours; two clock hours.

NURS 210C. Fundamentals of Nursing Clinical - A focus on the development of fundamental competencies required for instituting primary, secondary, and tertiary prevention nursing interventions. Opportunities to test and use the nursing process as a critical thinking and problem-solving tool are provided. Co-requisite: NURS 210. Offered fall term each year. Two semester hours; six clock hours.

NURS 220. Fundamentals of Nursing II - A continuation of NURS 210, the study of the fundamental concepts of holistic nursing and the nursing process. Prerequisites: NURS 210/210C. Pre/Co-requisite: BIOL 251 or equivalent. Co-requisites: NURS 220C and 202/202L. Offered spring term each year. Two semester hours; two clock hours.

NURS 220C. Fundamentals of Nursing II Clinical - A continuation of NURS 210C with the focus on providing students opportunities to test and use the nursing process as a critical thinking and problem solving tool to provide holistic nursing care. Opportunities to develop additional competencies in selected primary, secondary, and tertiary prevention nursing interventions are also provided within the clinical practice setting. Co-requisite: NURS 220. Offered spring term each year. Two semester hours; six clock hours.

Progression to junior (300) level courses in the nursing major must be sought through the application process. Students may only enroll in 300 level courses upon acceptance into the nursing major through this process.

NURS 300. Nursing Pharmacology - An introduction to pharmacology and the pharmacokinetic and pharmacodynamic processes relevant to clinical nursing practice. Emphasis is placed on the study of prototypical drugs, their effects on human beings, and the implications for nursing practice. Pre/Co-requisites: NURS 310/310C. Offered fall term each year. Three semester hours; three clock hours.

NURS 301. Professional Nursing Systems: RN Transition Course - An overview of the theories and concepts of holistic, professional nursing. The nursing process is discussed as a critical thinking and problem-solving tool for identifying client system stressors and for initiating primary, secondary, and tertiary prevention nursing interventions. Prerequisites: Current RN licensure, progression into the nursing major; and NURS 202/202L. Co-requisite: NURS 301C. Offered fall term each year (dependent on student need). Three semester hours; three clock hours.

NURS 301C. Professional Nursing Systems: RN Transition Clinical - Opportunities to utilize and test the nursing process in identifying and initiating primary, secondary, and tertiary nursing interventions within simulated and clinical practice setting. Previously learned technical nursing arts and skills are validated. Co-requisite: NURS 301. Offered fall term each year (dependent on student need). Two semester hours; six clock hours.

NURS 302. Primary Prevention and Health Promotion - An introduction to primary prevention and health promotion nursing interventions. Course content addresses the role of the nurse and the nursing process in developing partnerships with individuals, families, and groups of client/client systems to provide primary interventions for health promotion and disease prevention. Offered fall term each year. Two semester hours; two clock hours.

NURS 310. Client System Stressors and Reactions - An examination of the common actual or potential stressors that interfere with client health status through the use of the nursing process. The nurse's role in promoting levels of wellness through primary, secondary, and tertiary prevention modes are identified. Co-requisites: NURS 300 and 310C. Offered fall term each year. Three semester hours; three clock hours.

NURS 310C. Client System Stressors Clinical - A clinical practicum experience within a variety of clinical settings utilizing the nursing process to implement primary, secondary, and tertiary intervention modes with clients experiencing actual or potential common health stressors. Co-requisite: NURS 310. Offered fall term each year. Two semester hours; six clock hours.

NURS 313. Nursing Interventions with Special Populations (Childbearing Family) - A focus on the pregnant woman, neonate, and family and the commonly experienced stressors of this population during the childbearing process. Pre/Co-requisites: NURS 300 and 310/310C. Co-requisite: NURS 313C. Offered fall term each year. Three semester hours; three clock hours.

NURS 313C. Nursing Interventions with Special Populations (Childbearing Family) Clinical - A clinical practicum experience wherein students are expected to identify and implement primary, secondary, and/or tertiary nursing interventions specific to the stressors associated with the childbearing family. Co-requisite: NURS 313. Offered fall term each year. Two semester hours; six clock hours.

NURS 320. Complex Client System Stressors and Reactions - A presentation of complex actual or potential stressors that interfere with client health status. Through the use of the nursing process, primary, secondary, and tertiary intervention modes are discussed. Prerequisites: Nursing 300, 310/310C. Co-requisite: NURS 320C. Offered spring term each year. Three semester hours; three clock hours.

NURS 320C. Complex Client System Stressors Clinical - A practicum experience providing opportunities within a variety of clinical settings to utilize the nursing process to implement primary, secondary, and tertiary intervention modes with clients experiencing actual or potential complex stressors. Co-requisite: NURS 320. Offered spring term each year. Two semester hours; six clock hours.

NURS 323. Nursing Interventions with Special Populations (Infants, Children, and Adolescents) - A focus on the developmental, potential, and commonly experienced physiological and psychosocial stressors of infants, children, adolescents, and their families. Nursing interventions specific to these stressors are presented. Prerequisites: NURS 313/313C. Co-requisite: 323C. Offered spring term each year. Three semester hours; three clock hours.

NURS 323C. Nursing Interventions with Special Populations (Infants, Children, and Adolescents) Clinical - A clinical practicum experience in a variety of community based settings. Students are expected to identify and implement primary, secondary, and/or tertiary nursing interventions specific to the stressors commonly experienced by infants, children, adolescents, and their families. Co-requisite: NURS 323. Offered spring term each year. Two semester hours; six clock hours.

NURS 350. Introduction to Nursing Research - A focus on developing an understanding and use of nursing research as a basis for professional nursing practice. Students are introduced to the steps of the research process and critique. Pre/Co-requisite: MATH 213. Offered spring term each year. Three semester hours; three clock hours.

NURS 390. Independent Study - Special topics and/or experiences not addressed within the curriculum and non-substitutable for required courses in the major but of special interest to the student. Course work is accomplished independently under a pre-approved contract with a designated faculty member. Prerequisite: departmental approval for the proposal. To be arranged. One to three semester hours; one to three clock hours.

All required nursing 300 level courses must be completed before a student may advance to nursing 400 level courses. Exceptions to this policy are nursing electives that may be taken with instructor permission in unusual individual circumstances.

NURS 403. Nursing Interventions with Special Populations (Psych) - A focus on the interpersonal, intrapersonal, and extrapersonal factors associated with mental health, mental illness, and chemical substance abuse. Nursing interventions specific to various common mental health stressors are addressed. Prerequisite: progression to the senior level. Co-requisite: NURS 403C. Offered fall term each year. Three semester hours; three clock hours.

NURS 403C. Nursing Interventions with Special Populations (Psych) Clinical - A clinical practicum experience designed to provide students with opportunities to initiate health promotion and illness prevention interventions with clients experiencing substance abuse and/or other mental and spiritual stressors. Students are placed in a variety of community based clinical settings and provided experiences in working within multidisciplinary mental health teams. Co-requisite: NURS 403. Offered fall term each year. Two semester hours; six clock hours.

NURS 410. Critical Client Stressors and Reactions - The study of stressors and reactions that place a client in a potential or actual life-threatening state. Using the nursing process format, primary, secondary, and tertiary prevention interventions are discussed. Co-requisite: NURS 410C. Offered fall term each year. Three semester hours; three clock hours.

NURS 410C. Critical Client Stressors Clinical - A clinical practicum experience providing opportunities, within a high-tech setting, to utilize the nursing process to implement primary, secondary, and tertiary intervention modes with clients experiencing potential or actual life-threatening states. Co-requisite: NURS 410. Offered fall term each year. Two semester hours; six clock hours.

NURS 420. Management of Patient Care Systems - An examination of organizational theory and structure in relation to the management of patient care within a rapidly changing health care delivery system. Primary, secondary, and tertiary prevention strategies and skills necessary for the management of appropriate and effective nursing care are explored and analyzed. The use of outcome measures to promote quality and cost effective health care in various organizations and health care delivery systems is emphasized. Prerequisites: NURS 410/410C or equivalents. Co-requisite: NURS 420P. Offered spring term each year. Three semester hours; three clock hours.

NURS 420P. Nursing Management Preceptorship - A capstone course with a focus on the application of the nursing management process for organizing and facilitating the delivery of comprehensive, holistic, efficient, and effective nursing care to groups of clients in a variety of settings. Students are expected to demonstrate competencies of professional accountability and responsibility within established standards and guidelines. Co-requisite: NURS 420. Offered spring term each year. Two semester hours; fifteen clock hours.

NURS 422. Nursing in Community Health Systems - A focus on the concepts and skills required by nurses to promote and preserve the health of populations within existing public health infrastructures and in developing community partnerships. The community is defined as a client/system. Emphasis is placed on primary, secondary, and tertiary interventions used to meet the health care needs of a variety of aggregate and "at risk" community populations. Prerequisites: NURS 403/403C and 410/410C, or equivalents. Co-requisite: NURS 422C. Offered spring term each year. Three semester hours; three clock hours.

NURS 422C. Nursing in Community Health Systems Clinical - A clinical practicum experience that provides students opportunities to practice the role of the community health nurse within the current public health care delivery system. Students are also assigned to work with a variety of at risk aggregate population groups within the community in order to assess their health needs, and design and implement appropriate primary, secondary or tertiary prevention interventions. Co-requisite: NURS 422. Offered spring term each year. Two semester hours; six clock hours.

NURS 424. Professional Nursing Issues - A senior forum that focuses on issues and trends which influence health care delivery, contemporary nursing, and its practitioners. Economic, social, cultural, legal, ethical, and political issues are discussed in relation to a Christian worldview and professional nursing standards. Prerequisites: NURS 410/410C and 403/403C or equivalents. Offered spring term each year. Two semester hours; two clock hours.

NURS 460. Nursing Capstone Seminar - A seminar course designed to promote review, reflection, and integration of all nursing curriculum content. Also, includes completion of the application process, in-depth review, and preparation for the NCLEX-RN examination. Enrollment limited to students in last semester of nursing curriculum. Offered spring term each year. One semester hour.

NURS 480. Parish Nursing - An elective course that provides students an opportunity to collaborate on and negotiate the design of a health promotion program uniting the physical and spiritual aspects of wellness with the members of a selected church congregation. The course includes a service-learning component in a variety of churches within the community. Prerequisites: NURS 310/310C or equivalents. Offered fall or spring term; dependent on student demand. Three credit hours; three clock hours.

NURS 482. Complex Stressors of the Childbearing Family - An elective course that provides a focus on the complex, critical, and potentially life-threatening stressors that may be experienced by the childbearing woman, neonate, and family. Through the use of the nursing process, primary, secondary, and tertiary prevention interventions are discussed. Students are challenged to utilize critical thinking skills to explore alternative nursing interventions to traditional care provided to this client population. Pre/Co-requisites: NURS 410/410C. Offered fall term each year (dependent on enrollment). Three semester hours; three clock hours.

NURS 490. Independent Study - Special topics and/or experiences not addressed within the curriculum and non-substitutable for required courses in the major but of special interest to the student. Course work is to be accomplished independently under a pre-approved contract with a designated faculty member. Prerequisites: Department approval of proposal. Option available each term. One to three semester hours; one to three clock hours.

Occupational Therapy: Master of Science in Occupational Therapy (M.S.O.T.)

The Master of Science in Occupational Therapy degree program supports the following goals of Milligan College:

- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.
- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

The Master of Science in Occupational Therapy degree program promotes integration and utilization of theory and practice in the art and science of occupational therapy and prepares students to meet the entry-level standards of the American Occupational Therapy Association.

The Master of Science in Occupational Therapy degree program is designed for students who have an earned bachelor's degree and who have completed the prerequisite requirements for admission to the program. Baccalaureate degrees can be in a variety of academic areas, some of which include human performance and exercise science, human development, sociology, biology, and psychology.

Accreditation

The occupational therapy program at Milligan College is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE), a division of The American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. Their phone number is 800-652-AOTA. Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). Beginning January 1, 2007, occupational therapy educational programs will only be accredited at the post baccalaureate degree level.

After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. (Applicants should note that previous conviction of a felony may affect a graduate's ability to sit for the NBCOT certification examination or attain licensure.)

Goals

The following goals are expected upon completion of the professional curriculum and arise directly from the missions of the College and the professional program and from the program's philosophy. By the time of graduation from this curriculum, the student should: (1) Demonstrate professional-level competencies necessary for practice as an occupational therapist in health care and human service delivery systems; (2) Apply accepted principles of scientific inquiry to the study of problems in health and human service delivery; (3) Demonstrate the management skills necessary for the service delivery of occupational therapy; (4) Demonstrate professional and caring attitudes and values consistent with the practice of occupational therapy; (5) Assume a leadership role in advancing the field of occupational therapy.

Financial information

Tuition is $425 per semester hour for the 2003-2004 school year. A nonrefundable application fee of $30 is required with the application. For information regarding financial aid, please refer to the financial aid section of the catalog.

Library

The P.H. Welshimer Library supports the program by providing access to over 600 scholarly journals including the leading journals in occupational therapy. Numerous electronic databases (Psychology Abstracts, Sociology Abstracts, and Cumulative Index to Nursing and Allied Health Literature) are also available. In addition to the Welshimer Library, students and faculty have access to the Occupational Therapy Program Professional Resource Center, and the libraries of Emmanuel School of Religion, East Tennessee State University (main campus and medical school), and the Holston Associated Libraries, Inc. (HAL).

HAL consists of Milligan and five additional libraries in the region. The computer system displays in each library the holdings of all six libraries in a shared catalog. Due dates are shown for materials that are checked out of each library. Materials are readily lent among the libraries. Many additional features of the system enhance information exchange and resource sharing. Through these agreements, Milligan students have access to many materials beyond the considerable holdings of the Welshimer Library. Further, membership in the Southeastern Library Network provides interlibrary loan access to the holdings of thousands of additional libraries worldwide.

Professional resource center

The Professional Resource Center houses an extensive collection of evaluative instruments, videotapes, and treatment equipment. A computer cluster and workspace where students can explore Internet resources, perform data analysis for research projects, and produce multimedia presentations is part of the Center. The Resource Center is available to therapists in the community as well as the students of the program.

Admission requirements

The minimum requirements for admission to the M.S.O.T. program are as follows:

1. An undergraduate degree with overall undergraduate grade point average of 3.0

2. Volunteer experience in a variety of occupational therapy clinical settings with a minimum of 40 documented hours or a disability related work/volunteer experience with the proper documentation

3. Combined GRE scores of at least 1000 (verbal + quantitative)

4. TOEFL score of at least 550 (international students)

5. Two completed reference forms from persons who have adequate knowledge of the applicant's Christian commitment, character, and professional qualities of potential for success as a graduate student

6. A completed baccalaureate degree that includes the following prerequisite courses:
   Math and Science (9 - 12 hrs)
   Social Science (9 hrs)
   Communication (Written and Verbal) (6 hrs)
   Medical Terminology (1 - 3 hrs)

(Substitution or waiver of requirement for any of the above prerequisite courses may be granted by the occupational therapy program admissions committee on an individual basis.)

Prospective students meeting the minimum admission criteria will be invited to a brief individual interview and completion of a writing sample. Final selection of students will be made by the admissions committee of the occupational therapy program and will be based on weighted scores obtained from the grade point average and the required admission visit. Matriculation of a cohort of new students is contingent upon an adequate number of admitted applicants.

Provisional standing

Students may be admitted to the occupational therapy program with one or more of the prerequisite requirements not met. Admission is made on an individual basis by the occupational therapy admissions committee and is based, in part, on the student's potential for success in the program.

Provisional status is designated for a maximum of two semesters. Students who do not meet the objectives set forth in their provisional standing will be placed on probationary status and given one semester for resolution of the provisional objectives.

Students who have been provisionally admitted due to low GPA (GPA below 3.0) must achieve a 3.0 or better cumulative GPA during the first two semesters in the program. Provisional students who achieve this level of performance will be awarded full standing in the program.

Students who have been provisionally admitted due to course deficiency must successfully complete (3.0 or better grade for each course) those courses by the end of the second semester of the program. Students are strongly encouraged to complete all prerequisite course work prior to starting the academic program. Admittance to the program due to incomplete prerequisite courses is not guaranteed and is considered to be an exception to accepted program policy.

Academic probation and retention standards

Retention in the occupational therapy program is based on a combination of academic performance and adherence to the program's Technical Standards for Admission and Retention and/or the Occupational Therapy Code of Ethics for Students (see Occupational Therapy Student Manual for a detailed overview of the Technical Standards and statement of Occupational Therapy Code of Ethics for students). Specific standards include but are not limited to the following:

1. The student must maintain a cumulative grade point average of "B" (3.0) to graduate from the occupational therapy program.

2. The student must earn a grade of at least "C" in non-core courses within the program.

3. The student must earn a grade of at least "B" in all core (theory and practice courses) courses.

4. Failure to comply with the above standards will necessitate program faculty action that includes, but is not limited to: repetition of specific courses, fulfillment of additional requirements, academic probation, and/or dismissal from the program.

Transfer credit

Transfer credit is generally not permitted because of the program accreditation requirements. Special circumstances may warrant permission of transfer credit. The program faculty council and admissions committee will make determination of transfer credit.

Time limits for completion requirements

All students are admitted to the occupational therapy program on a full-time basis. Completion of all degree requirements on a full-time basis will take a minimum of two and one-half years. In exceptional cases, part-time status may be granted. Part-time students must complete all degree requirements within a period defined by the faculty council of the occupational therapy program. This time period must not exceed six years. Accreditation requirements mandate that students must complete their clinical affiliations within 24 months of completing their classroom work.

Grade requirements for graduation

Students must achieve a 3.0 average for graduation.

Curriculum and course sequence

The 80-hour curriculum includes course work in three essential components: basic skills, the occupational therapy process, and capstone experiences. The first component builds on the student's previous undergraduate education by providing applied science courses along with an introduction to the profession of occupational therapy. The second component is the core of the curriculum and includes courses about the study of occupation, normal life span development, and wellness with integration of the major theories and practice methods of occupational therapy. These courses are completed primarily during the second semester of the first year and the first semester of the second year. The final component of the curriculum is designed to facilitate the refinement of the student's critical thinking and entry-level occupational therapy clinical skills. The student is expected to integrate previously acquired knowledge into efficient and

effective critical thinking. It is during this phase of the curriculum that the student completes a minimum of six months of clinical fieldwork or internship.

In addition, the student is expected to complete an original research project that culminates in a master's thesis.

The courses and the clinical experiences are designed to develop the knowledge and skills of the highest national standards. The teaching faculties are dedicated professionals prepared to offer applied science and skills courses at the advanced level.

Course descriptions

OT 501. Diagnostic Considerations for Occupational Therapy - A study of selected disease processes and conditions in all age groups. Problems presented in motor, sensory, cognitive, interpersonal, self-care, productivity, and leisure areas that may be seen by occupational therapists as a result of pathophysiological dysfunction. Offered fall term each year. Three semester hours.

OT 502. Clinical Psychiatry - A review of major psychiatric disorders including clinical description, etiology, medical management, and treatment. A clinical team approach and legal issues of psychiatry are presented. Offered fall term each year. Three semester hours.

OT 510. Christ and Calling in Health Care - A seminar class designed to help students integrate their faith into health service provision and administration. Issues addressed include exploration of Christ as a healer, exploration of self and one's calling, scientific study of the impact of religion on health care, appropriate avenues of ministry in health care, and how to surmount obstacles to compassion in American health care culture. Offered fall term each year. One semester hour.

OT 531. Musculoskeletal Anatomy - A regional study of human muscular and skeletal anatomy with particular emphasis on the back and upper extremity. Course includes cadaver dissection, demonstration, and lecture. Offered fall term each year. Three semester hours.

OT 532. Functional Neuroanatomy - A presentation of human neuroanatomy with implications for abnormality and subsequent therapy treatment. The course includes the study of the human nervous system specimens in a laboratory setting. Offered spring term each year. Three semester hours.

OT 535. Kinesiology-Human Movement - A study of the principles of human movement including analysis of biomechanics, joint structure and function, muscle physiology, and musculoskeletal function. An introduction is given to methods to improve movement quality in functional performance. Offered spring term each year. Three semester hours.

OT 560. Fundamentals of Occupational Therapy - A foundation (history, organization, personnel, and their respective roles) for the development of the clinical aspects of occupational therapy practice. Emphasis is on the philosophy of using activity analysis as a foundation for clinical reasoning. Teaching theory and learning styles are included. Offered fall term each year. Three semester hours.

OT 580. Introduction to Research Design - An introduction to research design with emphasis on occupational therapy literature and skill development in review of research literature, formulation of problem statements, research design, and critical analysis of published research. Students identify research interests with occupational therapy applications or focus. Offered fall term each year. Two semester hours.

OT 605. Lifespan Occupational Development I - The study of normal occupational development of infants through adolescence with emphasis upon the functional roles typical for children within a variety of cultural settings, i.e. self-care, play, school, family, and friend relationships. Activities and tasks reflective of role functioning are analyzed. Offered spring term each year. Two semester hours.

OT 606. Lifespan Occupational Development II - The study of normal occupational development of young adulthood through older adulthood with emphasis upon the functional roles typical for adults within a variety of cultural settings, i.e., self-care, care of others, work, leisure, family, and community interactions. Activities and tasks reflective of role functioning are analyzed. Offered fall term each year. Two semester hours.

OT 607. Professional Writing in Occupational Therapy - Instruction in and practice of professional documentation, documentation for reimbursement, and letter-writing skills necessary in the practice of occupational therapy. Offered spring term each year. One semester hour.

OT 610. Play/Leisure (Performance Area A) - The exploration of play/leisure as a primary performance area of occupational therapy. Laboratory experience in play/leisure skills evaluation and training for the physically, mentally, and cognitively disabled. This course emphasizes evaluation and training with a life-span perspective. Strategies that promote adaptation to disabilities and that increase role independence include: using play/leisure activities in therapeutic intervention, adapting media and play/leisure tasks to specific disabling conditions. Offered fall term each year. Two semester hours.

OT 615. Work/Productivity (Performance Area B) - The evaluation and treatment of work dysfunction related to physical, cognitive, and psychological impairments. Assessment skills include: prevocational, work capacity, and work site ergonometric evaluations. Treatment techniques involve work hardening, prevocational training, job simulation, and job site modification. Stress management and reduction of symptom magnification are the psychological intervention skills developed. Legal issues related to the Americans with Disabilities Act and workers' compensation are explored. The roles of the occupational therapist in employee assistance and wellness are examined. Offered spring term each year. Two semester hours.

OT 620. Activities of Daily Living (Performance Area C) - Laboratory experience in daily living skills evaluation and training for the physically, mentally, and cognitively disabled. Strategies that promote adaptation to disabilities and that increase role independence are taught including: using/designing adaptive equipment, prescribing wheelchairs, prosthetic training, redesigning physical environmental barriers, driving training, restructuring cognitive complexity, and training caregivers. Architectural barriers and implications related to the American with Disabilities Act are explored. Offered spring term each year. Two semester hours.

OT 625. Techniques of Splinting in Occupational Therapy - A lecture and laboratory course that provides supervised experiences in the construction of splints and their use as a therapeutic modality. Offered spring term each year. Two semester hours.

OT 631. Psychosocial Theory and Practice - The study and application of psychosocial components of occupational therapy practice including the development and maintenance of the therapeutic relationship, evaluation and treatment of cognitive/perceptual deficits, and the application of theories of psychosocial intervention such as the Model of Human Occupation. Offered spring term each year. Four semester hours.

OT 632. Occupational Therapy in Pediatrics - A developmental approach to principles of occupational therapy with infants and children, including evaluation, treatment planning, treatment techniques, discharge

planning and working with caregivers. Offered spring term each year. Five semester hours.

OT 642. Adult Physical Dysfunction Theory and Practice - A developmental approach to principles of occupational therapy with adolescents and adults, including evaluation, treatment planning, treatment techniques, discharge planning, and working with families. Offered fall term each year. Five semester hours.

OT 651. Group Process (Therapeutic Groups in Occupational Therapy) - A presentation of group theory and group dynamics. The instruction in basic group skills includes selecting a theory base, designing groups, writing group protocols, analyzing group activities, implementing specific group techniques, and evaluating progress of group members. Offered fall term each year. Three semester hours.

OT 652. Occupational Therapy in Geriatrics - A developmental approach to principles of occupational therapy for the older adult including evaluation, treatment planning, treatment techniques, discharge planning, and working with care providers. Offered spring term each year. One semester hour.

OT 680. Research Methods - A review of research methodology with emphasis on recognizing and dealing with threats to methodological validity and reliability. Offered spring term each year. Two semester hours.

OT 685. Research Data Analysis - A practical review of basis data analysis techniques used in qualitative and quantitative research formats, including experience in using SPSS data analysis software. Offered spring term each year. Two semester hours.

OT 691A. Fieldwork Level IA - Introductory fieldwork level I experiences in the area of pediatric occupational therapy under the supervision of clinicians. Offered spring term each year. One semester hour.

OT 691B. Fieldwork Level IB - Introductory fieldwork level I experiences in the area of psychosocial occupational therapy settings under the supervision of clinicians. Offered spring term each year. One semester hour.

OT 691C. Fieldwork Level IC - Introductory fieldwork level I experience in the area of physical dysfunction occupational therapy settings under the supervision of clinicians. Offered fall term each year. One semester hour.

OT 695A. Clinical Reasoning Seminar - A seminar that accompanies fieldwork level IA in pediatrics. Students begin to integrate clinical observations and experiences with evaluations, treatment planning, and treatment implementation. Offered spring term each year. No credit.

OT 695B. Clinical Reasoning Seminar - A seminar that accompanies the fieldwork level IB with persons who have psychosocial disabilities. Students will begin to integrate clinical observations and experiences with evaluations, treatment planning, and treatment implementation. Offered fall term each year. No credit.

OT 695C. Clinical Reasoning Seminar - A seminar that accompanies fieldwork level IC with adult physical disabilities. Students will begin to integrate clinical observations and experiences with evaluations, treatment planning and treatment implementation. Offered fall term each year. No credit.

OT 710. Occupation Therapy Service Management - The study of the occupational therapist's role in service management and the health care system. Professional values, attitudes, ethics, and standards are emphasized. The study involves skill development in consultation, continuous quality improvement, program evaluation, strategic planning, marketing, and budgeting. Trends in health care and third-party reimbursement are examined. Offered spring term each year. Three semester hours.

OT 740. Advanced Clinical Reasoning Seminar (Advanced Practicum) - Advanced fieldwork level I experiences in occupational therapy settings under the supervision of clinicians. Seminar accompanies the fieldwork and facilitates the application of theoretical concepts and techniques. Offered spring term each year. Two semester hours.

OT 750. Specialization Elective - A course directed toward students' being exposed to a clinical area of practice of their own choosing. Offered spring term each year. A total of two semester hours.

OT 780A, B, and C. Directed Research/Thesis Preparation - Group research project supervised by appropriate faculty. Students will participate in one hour in conjunction with OT 680 and 685. During the final semester of their research, students will take two hours of directed research credit in order to prepare for defense and presentation of their research project. Offered fall and spring terms of each year. One semester hour for 780A and B and two semester hours for 780C.

OT 791A. Fieldwork Level IIA - A full-time supervised clinical experience designed to develop entry-level professional skills, consisting of a three-month full-time affiliation in a selected treatment setting. Offered every term. Five semester hours.

OT 791B. Fieldwork Level IIB - A full-time supervised clinical experience designed to develop entry-level professional skills, consisting of a three-month full-time affiliation in a selected treatment setting. Offered every term. Five semester hours.

OT 791C. Level Fieldwork IIC (optional) - A full-time supervised clinical experience in a specialized area. A minimum of six weeks duration is required. Offered every term. One to five semester hours.

Philosophy

Area of Humane Learning

The philosophy minor supports the following goal of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts . . . and to understand a significant body of material in their major fields of study.

Philosophy involves a thorough examination of the most fundamental questions facing human beings. At Milligan, courses in philosophy are designed to foster the ability to think critically and analytically, communicate clearly and logically, interact with the philosophic tradition, and explore the relationship between philosophy and the Christian faith. Courses in philosophy also aid students in acquiring the intellectual skills needed for integrating knowledge in all areas of human inquiry. As a result, the philosophy minor helpfully complements nearly any major in the liberal arts, offering additional training and experience in critical thinking. Students planning to attend seminary or law school are particularly encouraged to consider the benefits of a philosophy minor.

Philosophy minor (18 hrs)

Three hours from HUMN 101, 102, 201, 202 (3 hrs)
Philosophy electives (15 hrs)

Course descriptions

PHIL 301. Plato and Aristotle - An introduction to the ancient philosophical traditions that have shaped and continue to shape the West. Focuses primarily on the works of Plato and Aristotle but also attends to the so-called Pre-Socratics and to some later Hellenistic and Roman philosophers. Offered occasionally. Three semester hours.

PHIL 302. Modern Western Philosophy and Its Critics - An introduction to several modern philosophical traditions that have shaped and continue to shape the West. Focuses not only on important modernist philosophers (such as Descartes, Locke, and Kant), but also their modernist and postmodernist critics. Offered occasionally. Three semester hours.

PHIL 321. Ethics - An introduction to the character of ethical reflection through the study of important philosophical texts and traditions of moral reflection, as well as through contemporary literature and film. Offered fall term alternate years. Three semester hours.

PHIL 350. Religions of the World - An introduction to a wide variety of religious traditions, such as Buddhism, Hinduism, Islam, Judaism, and others. This course fulfills the ethnic studies course requirement in the general education core. Offered spring term alternate years. Three semester hours. Same as Religion 350.

PHIL 489. Directed Readings - A supervised program of readings which provides for study of material not included in the regular course offerings. One to three semester hours.

PHIL 490. Directed Studies - A program of readings and conferences which provides for individualized study. One to three semester hours.

PHIL 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. One to three semester hours.

Photography

Area of Performing, Visual and Communicative Arts

A student may declare a fine arts major with a photography emphasis. For further information on this major, refer to the information under the listing of fine arts.

The photography minor fits well with numerous majors including but not limited to Bible, business administration, communications, and humanities. The study of photography may serve to foster students' avocational interests as well as prepare them for more concentrated photography studies in the future.

Fine Arts major - B.A. (37 hrs)

Photography emphasis

For more information on the Fine Arts major with photography emphasis, see "Fine Arts."

Photography minor (18 hrs)

ART 237 Basic Photography (3 hrs)
ART 310 Intermediate Photography (3 hrs)
ART 312 Introduction to Color Photography (3 hrs)
ART 337 Photojournalism (3 hrs)
ART 366 History of Photography (3 hrs)
ART 490 Directed Studies or an equivalent (3 hrs)

Physical Education

Area of Education

The physical education minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

- Students will participate in the activities of a healthy lifestyle such as intramurals, intercollegiate sports, musical and theatrical groups, student clubs, student government, and other campus-sponsored extracurricular endeavors, in preparation for life-long participation in similar activities.

The skills and knowledge gained through the physical education minor allow students to pursue jobs in community, school, recreational, or industrial settings and provides a springboard into various graduate programs. Additional courses are required for teacher licensure.

HPXS major - B.A. or B.S. (39 hrs)

Physical education emphasis

For more information about the Human Performance and Exercise Science major with physical education emphasis, see "Human Performance and Exercise Science."

K-12 teacher licensure program

HPXS majors with an emphasis in *physical education* (57 hrs) (see "HPXS)

HPXS 151 and 152 Fall/Spring Season Team Sports (2 hrs)
HPXS 207 Principles of Strength Training (2 hrs)
HPXS 208 Folk Dance and Rhythmical Activities (1 hr)
HPXS 271 Foundations of Wellness (3 hrs)
HPXS 301 Teaching Individual and Dual Sports (2 hrs)
HPXS 308 Measurement and Evaluation (3 hrs)
HPXS 310a First Aid and CPR (1 hr)
HPXS 312 Introduction, History, and Philosophy of Physical Education (3 hrs)
HPXS 341 Exercise Physiology (4 hrs)
HPXS 350 Elementary Physical Education Methods (4 hrs)
HPXS 352 Kinesiology and Biomechanics (4 hrs)
HPXS 370 Secondary Physical Education Methods (3 hrs)
HPXS 404 Organization and Management of Physical Education and Sports (3 hrs)
HPXS 406 Adapted Physical Education (3 hrs)

Admission into the Teacher Education Program:
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 455 Student Teaching: K - 12 (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
PSYC 252 Developmental Psychology (3 hrs)

Physical education minor (20 hrs)

HPXS 101 Fitness for Life (1 hr)
HPXS 151 Fall Season Team Sports or 152 Spring Season Team Sports (1 hr)
HPXS 271 Foundations of Wellness (3 hrs)
HPXS 301 Teaching Individual and Dual Sports (2 hrs)
HPXS 308 Measurement and Evaluation (3 hrs)
HPXS 310a First Aid and CPR (1 hr)
HPXS 312 Introduction, History, and Philosophy of Physical Education (3 hrs)
HPXS 404 Organization and Management of Physical Education and Sports (3 hrs)
HPXS 406 Adapted Physical Education (3 hrs)

Physical Science

Area of Scientific Learning

The physical science minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major field of study.

- Students will gain an enriched quality of life through awareness of health issues, appreciation for both the arts and sciences, stewardship of resources, and preparation for graduate studies and a rewarding career or profession.

- Students may seek to have a general exposure to the fields of chemistry and physics through the physical science minor. The flexibility which this minor allows a student who is interested in science as a complement to their chosen major may encourage more students to pursue their interest in the physical sciences.

Physical science minor (20 hrs)

CHEM 151 Organic and Physiological Chemistry for Non-majors (4 hrs)
CHEM 170 and 171 General Chemistry (8 hrs)
PHYS 104 Earth and Space Science (4 hrs)
PHYS 203 General Physics/Calculus (4 hrs)

Physics

Area of Scientific Learning

The physics course offerings are intended to prepare the student with a background appropriate to career pursuits. Physics 104 Earth and Space Science is intended to give non-science majors a broad exposure to general concepts. Physics 203 and 204 Genetal Physics/Calculus are the required one-year physics sequence taken by most science majors.

PHYS 104. Earth and Space Science - A study of the structure and mechanical principles of the universe. Recommended for students with backgrounds in high school algebra and science. Not applicable toward a science major except for those pursuing middle grades licensure. Offered every term. Four semester hours.

PHYS 203-204. General Physics/Calculus - A study of the fundamental principles of mechanics and thermodynamics in the first semester and electricity and magnetism, wave motions, sound, light, and modern physics in the second semeste.. Prerequisite: Mathematics 211 or consent of the instructor. Offered as a year sequence beginning with the fall term every year. Four semester houts each semester.

Political Science

Area of Social Learning

The political science minor is designed for those who wish to study law, prepare for government service, or teach in a school setting. Political science might be taken as a valuable adjunct to a major in history or business administration and economics. (Also see American Studies Program.)

The political science minor supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and the natural and social sciences, and to understand a significant body of material in their major fields of study.
- Students will demonstrate social responsibility in numerous ways.

The political science minor provides a broad foundation in the study of the political process, the function of government and governmental agencies, and the relationships among levels of government as well as the peoples served by those governments and their agencies. Students completing this minor will: (1) gain a knowledge foundation which they might apply to their major area of study; (2) be conversant with the objectives and functions of government agencies; (3) display through their writing and participation in classes within the minor an increasing knowledge and appreciation of the responsibilities, tasks, and limits of governments/agencies; (4) demonstrate an awareness of the roles of citizenship at the local and broader levels.

Political science minor (18 hrs)

POLS 202 American National Government (3 hrs)
POLS 203 State and Local Government (3 hrs)
POLS 402 Political Theory (Ideology) (3 hrs)
LS 320 Civil Rights and Liberties (3 hrs)
Six hours of political science electives

History majors pursuing secondary teaching licensure

History majors pursuing secondary teaching licensure may add a government endorsement by adding this minor and appropriate student teaching experience to their program of study.

Course descriptions

POLS 202. American National Government - A survey of the principles of the American federal system and a study of the structure and function of the national government. Special attention is given to the historical development of the American Constitution and the judicial branch of the government as arbiter in determining the respective limits of national and state power. Selected Court cases are studied. Offered fall term alternate years. Three semester hours.

POLS 203. State and Local Government - A study of the structure and function of state and local governments in the United States and the political environment in which they exist. Prerequisite: Political Science 202. Offered fall term alternate years. Three semester hours.

POLS 290. Independent Study - Individualized study to enable the student either to study material in a field not now in the curticulum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. To be arranged. One to three semester hours.

POLS 304. Global Political Economies - A survey of the economic, political, and social effects of globalization both domestically and internationally. Emphasis is given to understanding the influence of governmental institutions and regulations upon individual societies. Topics include administrative law, antitrust law, comparative law, employment law, consumer protection, securities regulation, and international trade. This course fulfills the ethnic studies course requirement in the general education core. Offered spring term each year. Three semester hours.

POLS 360. The Presidency - An emphasis upon topics regarding the President of the United States. The course focuses upon some particular aspect of the office such as budgeting rather than serve as a general review. Two semester hours. Available usually in American Studies Program.

POLS 361. Domestic Politics - The content of the course varies with each offering. Possible topics include human life legislation, the United States Congress, and other contemporary issues. Two semester hours. Available usually in American Studies Program.

POLS 370. International Affairs - A study of issues relating to problems facing the United States in international relations. The course focuses upon a topic such as nuclear proliferation or disarmament. Two semestet hours. Available usually in American Studies Program.

POLS 402. Political Theory (Ideology) - A comparative study of four contemporary ideologies-Fascism, Communism, Conservatism, and Liberalism-and their implications for the state, the individual, progress, leaders and followers, freedom, justice, fraternity, etc. Offered spring term alternate years. Three semester hours.

POLS 489. Directed Readings - Supervised independent readings for a greater depth or a different approach than provided in other courses. Prerequisite: Political Science 202. To be arranged. One to three semester hours.

POLS 490. Directed Studies - A program of readings and conferences which provides for individualized study. TBA. One to three semester hours.

POLS 491. Field Work - A practicum experience that involves the student in a supervised position in government for the joint purpose of learning about government and possible professional choices. Prerequisite: Political Science 202. To be arranged. One to three semester hours.

POLS 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. Prerequisite: Political Science 202. To be announced. One to three semestet hours.

Pre-Professional Programs

(Medical and Law students)

The pre-medical and pre-dental programs at Milligan College are highly competitive and quite variable, depending upon the student's choice of major and minor. Milligan College graduates have generally been successful in obtaining admission to medical and dental schools throughout the nation. Additional information may be obtained from the pre-medical and pre-dental advisers.

Milligan College does not recommend or offer a major in "pre-law" as such. This stand is in keeping with both the broad educational philosophy of Milligan College and the philosophy expressed by the Statement of the Association of American Law Schools on Prelegal Education. American law schools do not encourage the undergraduate student to "learn the law," but rather stress the necessity of the pre-law student's acquiring certain comprehensive skills, such as "comprehension and expression in words," "critical understanding of human institutions and values," and the development of "creative power of thinking." While a student planning for a specific phase of the law (e.g., tax law) may find certain undergraduate majors or courses desirable (e.g., business or accounting), any solid academic major is equally acceptable to American law schools and recommended by Milligan College.

The baccalaureate degree is conferred by Milligan College upon a student who enters a standard medical or law college before completion of the baccalaureate degree, subject to the following conditions: (1) Completion of six semesters or ninety hours in residence in Milligan College; (2) Fulfillment of all general education requirements and completion of a minor; and (3) Submission to the registrar of the credits earned in the medical or law school.

Psychology

Area of Social Learning

The mission of the psychology major at Milligan College is related to the objectives of the College. Students who pursue the study of psychology are challenged to display sound scholarship in the field through their reading and analyzing sources within the realm of psychology. The students should be familiar with and able to communicate their familiarity and analyses clearly and effectively. The students should be able to use this knowledge base in psychology to appreciate areas of the Lord's creation and to understand the inter-relatedness of all learning. Students of psychology should display a sense of ministry through their knowledge of psychology and a willingness to use their knowledge in service and ministry to others.

The specific objectives of the psychology major are:

- When completing the program of study, students should be familiar with the knowledge bases within the study of psychology. Examples of these bases include, but are not limited to, lifespan development, research methodology, statistical tools, personality, systems and history of the field.
- Students should be reading and appreciating research in the fields of psychology at increasing levels of sophistication as the students progress through the psychology program.
- Students should be able to communicate in written and verbal media their knowledge and comprehension of psychology.
- Students should be able to generate research.
- Students should develop a tolerance and appreciation of persons who differ from themselves in culture, ethnicity, socioeconomic status, age, gender, and other characteristics.

The psychology curriculum emphasizes the principles and applications of substantive psychological knowledge both as a natural science and as a social science. The major and minor provide a broad background in psychology and offer students the opportunities, if desired, to pursue specialization in an interest area.

The field of psychology has been undergoing rapid change. New professional opportunities are constantly evolving. In response to this change, students may choose one of two emphases to fulfill the requirements for a degree in psychology. The **general psychology** emphasis offers flexibility while also ensuring that students have a broad understanding of the field and its applications. Students who plan to pursue teaching licensure or careers in areas other than psychology (e.g., youth ministry) may find this emphasis appealing.

The **pre-professional** emphasis is designed to prepare students for post-graduate education in psychology or related fields (e.g., occupational therapy). Students who pursue this emphasis are required to demonstrate proficiency in research by completing an independent research project. In addition, students choosing the pre-professional emphasis will learn about the available careers in psychology and the kinds of graduate programs available. This is accomplished through both a specific course (PSYC 200) and the requirement of an internship. Students are strongly encouraged to talk with their adviser before selecting either of the two emphases.

Psychology major - B.A. or B.S.

General emphasis (33 hrs)

PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 259 Research Methods in Psychology I (3 hrs)
PSYC 350 Social Psychology (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 401 History and Systems of Psychology (3 hrs)
PSYC 422 Learning and Memory OR 427 Physiological Psychology (3 hrs)
MATH 213 Statistics (3 hrs)
Elective hours in psychology to be chosen in consultation with an adviser (9 hrs)

The Bachelor of Science degree in psychology with a general emphasis requires 33 hours in the major. The Bachelor of Arts degree with this emphasis requires the intermediate year of a foreign language in addition to the 33 hours in the major. Those completing the major must demonstrate facility in the usage of computers in research and statistics. This is accomplished typically through the PSYC 259 course.

Pre-Professional emphasis (39 hrs)

PSYC 200 Career Preparation in Psychology (1 hr)
PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 259 Research Methods in Psychology I (3 hrs)
PSYC 350 Social Psychology (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 359 Research Methods in Psychology II (3 hrs)
PSYC 360 Independent Research Project in Psychology (2 hrs)
PSYC 401 History and Systems of Psychology (3 hrs)
PSYC 422 Learning and Memory OR 427 Physiological Psychology (3 hrs)
PSYC 491 Field Work in Psychology (at least 3 hrs)
MATH 213 Statistics (3 hrs)
Elective hours in psychology to be chosen in consultation with an adviser (6 hrs)

The Bachelor of Science degree in psychology with a pre-professional emphasis requires 39 hours in the major. The Bachelor of Arts degree with this emphasis requires the intermediate year of a foreign language in addition to the 39 hours in the major. Those completing the major must demonstrate facility in the usage of computers in research and statistics. This is accomplished typically through the courses PSYC 259 and 359. Students in the pre-professional emphasis will be expected to maintain a minimum overall grade point average of 2.75.

Licensure

Secondary (grades 9-12) teaching licensure
Psychology major (general emphasis) with modifications - B.A. or B.S. (36 hrs)

PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 253 Child Development (3 hrs)
PSYC 259 Research Methods I (3 hrs)
PSYC 350 Social Psychology (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 357 Intro to the Theory and Practice of Counseling (3 hrs)
PSYC 359 Research Methods II (3 hrs)
PSYC 401 History and Systems of Psychology (3 hrs)
PSYC 422 Learning and Memory (3 hrs)
MATH 213 Statistics (3 hrs)
PSYC elective (3 hrs)

Professional education courses required for licensure (30 hrs):
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 308 Secondary School Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 408 Secondary Education Methods (3 hrs)
EDUC 454 Student Teaching: Secondary (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
EDUC 471 Materials and Methods in Specific Subject Area (2 hrs)

Special education for grades K-12
Psychology major (general emphasis) with modifications in preparation for the M.Ed. program (39 hrs)

PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 253 Child Development (3 hrs)
PSYC 259 Research Methods I (3 hrs)
PSYC 350 Social Psychology (3 hrs)
PSYC 353 Theories of Personality (3 hrs)
PSYC 357 Introduction to the Theory and Practice of Counseling (3 hrs)
PSYC 358 Abnormal Psychology (3 hrs)
PSYC 359 Research Methods II (3 hrs)
PSYC 401 History and Systems of Psychology (3 hrs)
PSYC 422 Learning and Memory (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)
SOCL 303 Family (3 hrs)

Educational studies: special education minor (26 hrs)

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 232 Early Childhood Intervention and Assessment (3 hrs)
EDUC 355 Literacy Development (3 hrs)
EDUC 356 Reading Processes with Assessment and Intervention (2 hrs)
ENGL 354 Children's Literature (3 hrs)
HPXS 406 Adapted Physical Education (3 hrs)
MATH 213 Statistics (3 hrs)

MATH 253 Fundamental Concepts II (3 hrs)
HIST 209 United States History Survey I (3 hrs)

Psychology minor (18 hrs)

PSYC 250 General Psychology (3 hrs)
PSYC 252 Developmental Psychology (3 hrs)
PSYC 350 Social Psychology (3 hrs)
Elective hours in psychology (9 hrs)

Course descriptions

PSYC 100. Introduction to College and Calling - A course focusing on those behaviors necessary to succeed in college, in careers, and in life in general. These include career exploration, management of resources such as time and money, and a growing awareness of self. Required of all freshmen during the first semester of attendance. Offered every term. One semester hour.

PSYC 200. Career Preparation in Psychology - An introduction to career options for psychology students. The course helps students to understand the variety of sub-fields within psychology and the different careers that are available within each. Students begin to explore career options and make preparations for reaching occupational goals, such as getting into graduate school. Offered spring term each year. One semester hour.

PSYC 250. General Psychology - An introduction to the discipline of psychology. The study covers the background, methodology, and major findings from each of the major sub-areas of psychology. Offered every term. Three semester hours.

PSYC 252. Developmental Psychology - A study of the origins of psychological processes and general genetic principles and development of the individual in physical, lingual, social, intellectual, emotional, and personal areas. Offered every term. Three semester hours.

PSYC 253. Child Development - An in-depth study of the physical, cognitive, social, and emotional development of the child from birth through adolescence. Development, care, and guidance of the child are examined in relationship to major theories of child and adolescent development. This course is designed for professionals who work with infants, children, and adolescents in a variety of settings. Offered every term. Three semester hours.

PSYC 259. Research Methods in Psychology I - A study of research methodologies in psychology with special emphasis upon experimentation. The study covers research planning, experimental design, data collection and analysis, and the construction of models and theories. Laboratory work emphasizes application of these concepts. Prerequisite or corequisite: PSYC 250 or Mathematics 213. Offered every term. Three semester hours.

PSYC 290. Independent Study - Individual study to enable the student either to examine material not in the curriculum or to facilitate an individualized approach in a field not now covered in a single course. Not open to freshmen. Offered as needed. One to three semester hours.

PSYC 350. Social Psychology - A study of the individual in society. Some emphasis is given to research and experimentation. Offered every term. Three semester hours.

PSYC 353. Theories of Personality - An examination of major theories of personality from the late 1800s to the present. The course focuses particularly on founders and influential theorists associated with the major theories. Each theory is examined in terms of a Christian worldview. Prerequisite: PSYC 250. Offered spring term each year. Three semester hours.

PSYC 357. Introduction to the Theory and Practice of Counseling - An introduction to counseling and psychotherapy primarily by practicing the skills that constitute the counseling process. The aim is to utilize class members for the practical applications and implementation of techniques in the therapeutic process, as well as to develop a balanced view of the major concepts of various therapies. Prerequisite: PSYC 250. Offered every term. Three semester hours.

PSYC 358. Abnormal Psychology - A careful consideration of the data and principles which have proved helpful in interpreting deviations from normal behavior. Offered fall term each year. Three semester hours.

PSYC 359. Research Methods in Psychology II - An examination of the major research methodologies used by psychologists including both experimental and corelational designs. The course includes an expanded and advanced discussion of topics previously covered in Research Methods in Psychology I (PSYC 259), such as research ethics, measurement theory, inferential statistics, and manuscript preparation. Through this course, students should have developed a research proposal including a review of the literature, a sound research hypothesis, and plans for appropriate data analysis. Students in the pre-professional track are required to complete the project the following semester (while enrolled in PSYC 360). Prerequisites: PSYC 259 and MATH 213. Offered fall term each year. Three semester hours.

PSYC 360. Independent Research Project in Psychology - A course in which the student conducts the research project begun in PSYC 359 under the supervision of the course instructor. Requirements include a research proposal, approval from the Milligan Institutional Review Board, data collection, appropriate statistical analyses, discussion of results, preparation of a final manuscript according to the APA Publication Manual, and presentation of findings at a regional conference. Prerequisites: PSYC 259 and 359 and MATH 213. Offered spring term each year. Two semester hours.

PSYC 401. History and Systems of Psychology - An overview of the historical context and ecclesiastical, social, and cultural milieus in which the contemporary psychological theories evolved. History and Systems of Psychology is a capstone course and should be taken in the senior year. Offered fall term each year. Three semester hours.

PSYC 422. Learning and Memory - A study of basic principles of learning and memory and their applications. The controversy of the relative effects of nature and nurture on learning is studied, as are types of learning, methods of acquisition, and memory enhancement. Offered every term. Three semester hours.

PSYC 427. Physiological Psychology - An examination of current developments in the field of physiological psychology. The course includes an exploration of the physiological bases of emotion, sleep, sexual behavior, hunger and thirst, learning and memory, psychopathology, and drug use and abuse. Prerequisites: PSYC 250 and 259. Offered spring term each year. Three semester hours.

PSYC 480. Seminar on Vietnam - A survey of the Vietnam era in United States history. This course examines precursors in the United States and Southeast Asia, the Vietnam era itself, and the war's legacies to the nation and its people. Both historical and psychological issues are examined. Offered spring term even years. Three semester hours.

PSYC 489. Directed Readings - A supervised program of readings which provides for study of material not included in the regular course offerings. To be arranged. One to three semester hours.

PSYC 490. Directed Studies - A program of readings and conferences which provides for individualized study. To be arranged. One to three semester hours.

PSYC 491. Field Work in Psychology - Supervised field work in various institutions and agencies, including children's homes, schools, homes for the aging, delinquency and probation programs and work with other agencies. Prerequisite: consent of the instructor. Offered every term. Three to six semester hours.

PSYC 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. To be announced. One to three semester hours.

Public Leadership and Service

Area of Social Learning

The public leadership and service major supports the following goals of Milligan College:

- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring and protecting others; and displaying increased understanding of other cultures.

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts and natural and social sciences, and to understand a significant body of material in their major fields of study.

The public leadership and service major prepares students to be Christian leaders for both private and public arenas, but especially in the public service areas such as non-profit organizations and governmental service. In particular graduates of this program should be prepared to: (1) take the ministry of Jesus Christ to those who need to be fed, clothed, protected and defended as the least in the world, (2) produce public services ministers who in government and agency settings will advocate effectively the needs of the least and humblest of these, (3) develop advocates who are able to speak articulately to the issues of social justice and diversity for all of the citizens of one's community, nation, and world.

Graduates with a major in public leadership and service are expected to (1) demonstrate a broad knowledge of political, sociological, communication, and economic theory to be equipped for service in public agencies, (2) demonstrate the ability to engage in independent research in a particular subject dealing with public service, (3) demonstrate an increased awareness of issues involving public service through breadth of courses and an internship experience, (4) demonstrate the development of leadership skills necessary for engaging ethically and actively in the public arena.

The public leadership and service program consists of 48 to 50 semester hours of credit and requires a minimum of 2.25 grade point average in the major to graduate. It is available only as a Bachelor of Arts degree. This major offers three possible emphases: one offered entirely at the Milligan College campus that offers a broad exposure to academic topics preparatory for public service; one that is offered coordinated with an international setting or agency; and one that is coordinated with the CCCU American Studies Program in Washington, D.C. The course requirements are slightly different for each emphasis.

On Milligan College Campus Exclusively

Required Core Courses (42 hrs)	
Communications 341 OR 345	Principles of Organizational Communication OR Dynamics of Group Communication (3 hrs)
Economics 201	Macroeconomic Principles (3 hrs)
Economics 202	Microeconomic Principles (3 hrs)
Mathematics 213	Statistics (3 hrs)
Political Science 202 OR 203	American National Government OR State and Local Government (3 hrs)
Political Science 402	Political Theory (Ideology) (3 hrs)
Political Science 490	Directed Studies (3 hrs)
Political Science 491	Field Work (3 hrs)
Public Leadership & Service 350	Poverty Experience (6 hrs)
Public Leadership & Service 400	Capstone Experience (3 hrs)
Sociology 201	Introduction to Sociology (3 hrs)
Sociology 311	Social Problems (3 hrs)
Sociology 401OR Psychology 259	Sociological Research OR Research Methods I (3 hrs)
Electives (6 hrs) selected from the following:	
Accounting 211	Introductory Accounting I (3 hrs)
Accounting 212	Introductory Accounting II (3 hrs)
Accounting 315	Not-For-Profit Accounting (3 hrs)
Communications 413	Public Relations Practice (3 hrs)
Communications 470	Film and Television Criticism (3 hrs)
Economics 460	History of Economic Thought (3 hrs)
History 209 OR 210	United States History Survey I OR II (3 hrs)
History 380	The United States in the Twentieth Century (3 hrs)
Legal Studies 110	Legal Reasoning and Analysis (3 hrs)
Philosophy 321	Ethics (3 hrs)
Political Science 361	Domestic Politics (2 hrs)
Psychology 350	Social Psychology (3 hrs)
Sociology 360	Aspects of Intercultural Studies (3 hrs)
Sociology 470	Health, Illness, and Health Care Systems (3 hrs)

With One Semester at International Setting or Agency

Required Core Courses (44 hrs)	
Communications 341 OR 345	Principles of Organizational Communication OR Dynamics of Group Communication (3 hrs)
Economics 201	Macroeconomic Principles (3 hrs)
Economics 202	Microeconomic Principles (3 hrs)
Mathematics 213	Statistics (3 hrs)
Political Science 491	Field Work (descriptive paper on PL&S 340 Internship) (1 hr)
Public Leadership & Service 340	International Leadership and Internship (16 hrs)
Public Leadership & Service 350	Poverty Experience (6 hrs)
Public Leadership & Service 400	Capstone Experience (3 hrs)
Sociology 201	Introduction to Sociology (3 hrs)
Sociology 401 OR Psychology 259	Sociological Research OR Research Methods I (3 hrs)
Electives (6 hrs) selected from the following:	
Accounting 211	Introductory Accounting I (3 hrs)
Accounting 212	Introductory Accounting II (3 hrs)
Accounting 315	Not-For-Profit Accounting (3 hrs)
Communications 413	Public Relations Practices (3 hrs)
Communications 470	Film and Television Criticism (3 hrs)
Economics 460	History of Economic Thought (3 hrs)
History 209 OR 210	U. S. History Survey I OR II (3 hrs)
History 380	The United States in the Twentieth Century (3 hrs)
Legal Studies 110	Legal Reasoning and Analysis (3 hrs)
Philosophy 321	Ethics (3 hrs)
Political Science 361	Domestic Politics (2 hrs)
Psychology 350	Social Psychology (3 hrs)
Sociology 360	Aspects of Intercultural Studies (3 hrs)
Sociology 470	Health, Illness, and Health Care Systems (3 hrs)

With One Semester at CCCU American Studies Program

Required Core Courses (44 hrs)	
CCCU American Studies Program: Interdisciplinary Seminars (8 hrs)	
CCCU American Studies Program: Internships and Travel (8 hrs)	
Communications 341OR 345	Principles of Organizational Communication OR Dynamics of Group Communication (3 hrs)
Economics 201	Macroeconomic Principles (3 hrs)
Economics 202	Microeconomic Principles (3 hrs)
Mathematics 213	Statistics (3 hrs)
Political Science 491	Field Work (descriptive paper on CCCU Internship) (1 hr)
Public Leadership & Service 350	Poverty Experience (6 hrs)
Public Leadership & Service 400	Capstone Experience (3 hrs)
Sociology 201	Introduction to Sociology (3 hrs)
Sociology 401OR Psychology 259	Sociological Research OR Research Methods I (3 hrs)
Electives (6 hrs) selected from the following:	
Accounting 211	Introductory Accounting I (3 hrs)
Accounting 212	Introductory Accounting II (3 hrs)
Accounting 315	Not-For-Profit Accounting (3 hrs)
Communications 413	Public Relations Practices (3 hrs)
Communications 470	Film and Television Criticism (3 hrs)
Economics 460	History of Economic Thought (3 hrs)
Choose one from the following: History 206, 208, 331, 332, 333, 334, 450, 480	History course international in focus (3 hrs)
History 380	The United States in the Twentieth Century (3 hrs)
Legal Studies 110	Legal Reasoning and Analysis (3 hrs)
Philosophy 321	Ethics (3 hrs)
Political Science 361	Domestic Politics (2 hrs)
Psychology 350	Social Psychology (3 hrs)
Sociology 360	Aspects of Intercultural Studies (3 hrs)
Sociology 470	Health, Illness, and Health Care Systems (3 hrs)

Course descriptions

PUBL 340. International Leadership and Internship - An experience, under the auspices of the Council of Christian Colleges and Universities or other not-for-profit ministerial or government agencies, which provides students an opportunity for examination of other geographic and cultural regions of the world, in that region. This experiential semester allows the diversity of cultures and nationalities to be seen without the filters which are in place seeing the diversity through the eyes of others-the news media, the instructors' biases, parental thinking-or through the students' own preconceptions. This internship experience provides a forum to listen to persons of religious faiths, economic and educational levels, as well as political and economic thinking different than those confronted in one's comfort zone in the United States. Offering to be arranged. One to sixteen semester hours.

PUBL 350. Poverty Experience - An experience for the student with an agency typically in the Tri-Cities region which surrounds the College campus. Examples of the agencies with which the student might be placed include the Salvation Army, the Good Samaritan Ministries, Habitat for Humanity, the Appalachian Service Project, the Johnson City Downtown Clinic, or a local law enforcement agency or court system. However, this experience might be gained in other locales which the student might propose. The format is working with those in ministry, social work, casework, and/or mental health occupations which provide care to those who are in material and physical need-lacking proper housing, food, safety, medical care, educational opportunities, and support. The student spends ten hours weekly in the field. Offering to be arranged. Six semester hours.

PUBL 400. Capstone Experience - A seminar in which the students and faculty member(s) challenge one another through readings, experiences, dialogues, to develop a philosophy of ministry, a conviction of partnership, a sense of Matthew 25:31ff, in the relationships which Christians have with/to their brothers and sisters who have been placed by education, family, society, disability, etc., in a position of handicap in achieving what the world values and finds attractive. This course challenges the student and the faculty to face the problems of the world's downtrodden rather than, in the words of Pink Floyd, turning away. Offered spring term each year. Three semester hours.

Religion

Area of Biblical Learning

RELG 350. Religions of the World - A comparative investigation of the structure and content of primitive, ancient, and contemporary religions. The study includes consideration of major doctrines, figures, and developments. Same as PHIL 350. This course fulfills the ethnic studies course requirement in the general education core. Offered spring term alternate years. Three semester hours.

RELG 351. Philosophy of Religion - A study of the nature and meaning of religion within various worldviews, including a comparative study of the more important religious movements. Prerequisite: either HUMN 202, or PHIL 301 and 302. Offered periodically. Three semester hours.

RELG 421. Sociology of Religion - A study of interactive relationships between religious and other social institutions with special attention to the contemporary American religious scene. Same as SOCL 421. Offered fall term alternate years. Three semester hours.

RELG 430. Servanthood in the Third Millennium - An examination of the nature of servanthood and the formation of the servant of Christ for the world. Topics include identity of the servant, spiritual formation, the role of community, the servant and culture, preparation for service, and serving across cultural lines. Same as CMIN 430. Offered periodically. Three semester hours.

RELG 440. The Religions, Peoples, and Cultures of Africa - An introduction to the continent and peoples of Africa. Topics include African history, geography, religious life, cultural diversity, historical and current events on the African continent, and missions in Africa. Same as SOCL 440. Offered periodically. Three semester hours.

RELG 460. Folk Religion - An introduction to the institutions and phenomenology of folk religions within the North American context and around the world. Topics include an examination of folk world views, practices, and belief systems in diverse cultures, with particular attention given to missiological implications. Offered fall term alternate years. Three semester hours.

RELG 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. Offered periodically. One to three semester hours.

Sociology

Area of Social Learning

The sociology major supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically; to communicate clearly and effectively; to evidence knowledge and competencies in the liberal arts and the natural and social sciences; and to understand a significant body of material in their major fields of study.

- Students will demonstrate social responsibility in numerous ways, such as serving in churches, on the mission field (domestic and foreign), and with social agencies; mentoring, nurturing, and protecting others; and displaying increased understanding of and experience with other cultures.

The sociology curriculum emphasizes the principles and application of sociological knowledge. The major and minor are designed to ensure that each student receives a broad background in sociology. The sociology curriculum is designed for the student preparing for a variety of careers, including but not limited to academic sociology (research and/or teaching), and social agency and social service work. The sociology curriculum also contributes to the application of sociological principles to daily life.

Graduates with a major in sociology are expected to (1) demonstrate knowledge of core concepts in sociology and qualitative and quantitative research and analysis skills appropriate to the field of sociology; (2) demonstrate knowledge of and appreciation for people who differ from themselves in cultural background, ethnicity, socioeconomic status, age, gender or other socially significant characteristics; (3) participate in community service that will both enhance their understanding of course materials and give them experience that will assist them in starting on a lifetime commitment to service; and (4) be prepared for acceptance into a graduate program in sociology or a related field.

Sociology major - B.A. or B.S. (30 hrs or 36 hrs)

PSYC 350 Social Psychology (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)
SOCL 210 Introduction to Cultural Anthropology (3 hrs)
SOCL 303 Family (3 hrs)
SOCL 311 Social Problems or 312 Gender and Society (3 hrs)
SOCL 314 Race and Ethnic Relations (3 hrs)
SOCL 401 Sociological Research (3 hrs)
SOCL 451 Sociological Theory (3 hrs)
SOCL 491 Field Work in Sociology (3 or 6 hrs)
Elective hours in sociology (0 - 9 hrs, depending upon degree type and number of hours of field work)

The Bachelor of Arts degree in sociology requires foreign language proficiency through the intermediate year of a modern foreign language plus 30 hours in the major. The Bachelor of Science degree in sociology requires 36 hours in the major. Those completing the major must demonstrate computer competency.

Secondary (Grades 9-12) teaching licensure (30 hrs)

Sociology majors pursuing secondary (Grades 9-12) teaching licensure (30 hrs) must complete, in addition to the above major, the following courses:

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 308 Secondary School Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 408 Secondary Education Methods (3 hrs)
EDUC 454 Student Teaching: Secondary (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
EDUC 471 Materials and Methods in Specific Subject Area (2 hrs)

Sociology minor (18 hrs)

PSYC 250 General Psychology (3 hrs)
SOCL 201 Introduction to Sociology (3 hrs)
SOCL 210 Introduction to Cultural Anthropology (3 hrs)
SOCL 303 Family (3 hrs)
SOCL 451 Sociological Theory (3 hrs)
Elective hours in sociology (3 hrs)

Students pursuing the missions emphasis in the Bible/Ministry major must also complete a modified minor in sociology comprised of SOCL 210 and 15 additional hours of sociology courses selected from SOCL 303, 314, 360, 421, 451, and 461 (or approved Bible/Ministry and sociology electives).

Course descriptions

SOCL 201. Introduction to Sociology - A scientific study of human society and the various means by which individuals and groups adjust to each other and to their physical and social environment. Offered every term. Three semester hours.

SOCL 210. Introduction to Cultural Anthropology - A study of the dynamics of culture and society: folkways, mores, and institutions and their significance for comprehending the variations in contemporary cultural orientations, customs, and manners. Available to sophomores, juniors, and seniors. This course fulfills the ethnic studies course requirement in the general education core. Offered spring semester. Three semester hours.

SOCL 303. Family - A study of the social significance of the modern American family viewed in the perspective of its cultural heritage. Available to juniors and seniors. Offered every term. Three semester hours.

SOCL 311. Social Problems - An application of sociological perspectives to understanding major problems confronted in American society and internationally. Topics include crime and delinquency; poverty, homelessness; substance abuse; family and sexual violence; urban problems; ethnic, racial, and political conflicts; and the social dimensions of environmental issues. Offered fall term alternate years. Three semester hours.

SOCL 312. Gender and Society - An examination of the social construction of gender and its consequences for individuals and societies. Topics include biological theories of gender differences, cross-cultural comparisons of gender expectations, childhood socialization, gender and the educational system, language and the media, gender and relationships, work and economic issues, and health issues. Offered spring term each year. Three semester hours.

SOCL 314. Race and Ethnic Relations - A study of racial and cultural contacts and conflicts, including an analysis of prejudice and discrimination, status and participation of minority groups, and national and international aspects of minority problems. Prerequisite: SOCL 201. This course fulfills the ethnic studies course requirement in the general education core. Offered fall term even years. Three semester hours.

SOCL 321. Sociology of Death, Dying, and Bereavement - An exploration of the current literature on death and dying. The approach is cross-cultural, even though the emphasis is on death and dying customs and practices in North America. Offered fall term alternate years. Three semester hours.

SOCL 360. Aspects of Intercultural Studies - A study of inductive and theoretical analyses of the various challenges which result when differing cultural systems (e.g., family life, politics, economics, etc.) come into sustained contact, with special attention to (1) effective approaches to meeting the challenges, and (2) effective communicative strategies. This course fulfills the ethnic studies course requirement in the general education core. Offered fall term odd years. Three semester hours.

SOCL 380. Principles of Social Work - An introduction to the profession of social work and an overview of the professional knowledge, skills, and values necessary for generalist social work practice. The student is introduced to the historical evolution of social work, the history of social welfare, the various fields of social work practice, and general systems theory. Offered fall term each year. Three semester hours.

SOCL 381. Social Welfare Policies and Services - A study of social welfare policy, its theoretical orientations and philosophical underpinnings, as well as private and public social programs and issues which comprise the United States welfare system. Attention is given to those social policies/programs which have a major impact on generalist social work practice. Offered spring term each year. Three semester hours.

SOCL 401. Sociological Research - An introduction to the methods of data collecting and analysis and the interpretation of social data. Prerequisite: SOCL 201 or permission of instructor. Offered spring term each year. Three semester hours.

SOCL 402. Civilization and Culture of Latin America - An introduction to Latin America, focusing on the social, political, economic, religious, and other characteristics of many different Latin American cultures. This course will employ research findings and perspectives from a number of different disciplines, including sociology, history, political science, and anthropology to explore the region's historical development, its cultural diversity, and some of its critical social problems. Students do not have to speak or read any Spanish to take this course. This course fulfills the ethnic studies course requirement in the general education core. Offered fall term alternate years. Three semester hours.

SOCL 413. Seminar in Aging - An application of sociological principles, theories, and research findings to the understanding of the process of aging, the relationship of the aged to other segments of the population, and aging in other cultures. Topics include economic needs and resources of older people, issues of health and health care, work and retirement, psychological and physical changes, marriage and other relationships, and death and bereavement. Prerequisites: SOCL 201. Offered spring term alternate years. Three semester hours.

SOCL 421. Sociology of Religion - A study of the dynamic relationships between religious and other social institutions with special attention to the

contemporary American religious scene. Offered fall term even years. Three semester hours. Same as RELG 421.

SOCL 440. The Religions, Peoples, and Cultures of Africa - An introduction to the continent and peoples of Africa. Topics include African history, geography, religious life, cultural diversity, historical and current events on the African continent, and missions in Africa. Same as RELG 440. Offered periodically. Three semester hours.

SOCL 451. Sociological Theory - A broad survey of sociological thought from the earliest theorists in the nineteenth century to developments in the 1980s and 1990s. Prerequisite: The prerequisite for sociology majors and traditional sociology minors is SOCL 201. Students pursuing the modified sociology minor for Bible/Ministry majors with a missions emphasis may have SOCL 210 as their prerequisite for this course. Offered fall term each year. Three semester hours.

SOCL 461. Dynamics of Culture Change - A study of the identification of the processes of culture change, both internal and external, and critical study of theories offered to account for culture change. Offered fall term odd years. Three semester hours.

SOCL 470. Health, Illness, and Health Care Systems - This course uses the sociological perspective to analyze illness and health, and to examine medical and health care systems. Topics include social and behavioral influences on illness, health-care funding issues, historical and contemporary issues in nurse-physician relationships, patients' rights issues, and health issues concerning specific groups such as rural people, minority group members, children and teenagers, the poor, the homeless, and women. Offered fall term alternate years. Three semester hours.

SOCL 489. Directed Readings - A supervised program of readings which provides for study of material not included in the regular course offerings. TBA. One to three semester hours.

SOCL 490. Directed Studies - A program of readings and conferences which provides for individualized study. To be arranged. One to three semester hours.

SOCL 491. Field Work in Sociology - Supervised field work in various institutions and agencies including children's homes, homes for the aging, delinquency and probation work, and work with other agencies. Prerequisite: SOCL 201 and consent of the instructor. To be arranged. Three to six semester hours.

SOCL 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics considered vary from semester to semester. To be announced. One to three semester hours.

Spanish

Area of Humane Learning

The Spanish program supports the following goals of Milligan College:

- Students will demonstrate sound scholarship through their ability to read and think analytically and critically, to communicate clearly and effectively, to evidence knowledge and competencies in the liberal arts.
- Students will gain an enriched quality of life through . . . appreciation for the arts . . . and preparation for graduate studies and a rewarding career or profession.

The Spanish program emphasizes the four language skills of listening, speaking, reading, and writing. While the primary focus is on developing competency in communication, the secondary Spanish licensure program and the Spanish minor provide a foundation in the literature and culture of the Spanish-speaking world. Graduates may pursue careers in teaching, in translating and interpreting (with additional study), in the tourism and hospitality industry, or in the diplomatic services. Spanish is a valuable asset in international business and in international agencies. In certain regions, Spanish is necessary for elementary and high school teachers of all subject areas and for social service careers.

Secondary Spanish teacher licensure program

SPAN 301 and 302 Advanced Conversation and Composition (6 hrs)
SPAN 311 Survey of Spanish Literature: Iberian and 312 and Survey of Spanish-American Literature (6 hrs)
SPAN 401 Civilization and Culture of Spain and 402 Civilization and Culture of Latin America (6 hrs)
ENGL 312 Introduction to Linguistics (3 hrs)
HUMN 490 Reading and Research in Humane Learning (3 hrs)

Professional education courses (30 hrs):
EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 308 Secondary School Foundations (3 hrs)
EDUC 357 Content Area Reading (3 hrs)
EDUC 408 Secondary Education Methods (3 hrs)
EDUC 454 Student Teaching: Secondary (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
EDUC 471 (2 hrs) (substitute LANG 4417 taken through cooperative agreement with East Tennessee State University)

Spanish minor (18 hrs)

18 hrs beyond the level of SPAN 111-112

Course descriptions

SPAN 111-112. Elementary Spanish - A proficiency-oriented introductory course emphasizing oral communicative skills, including the essentials of grammar, practical vocabulary, and basic reading and writing skills within a cultural context. Three class periods and one laboratory period per week. SPAN 111 offered fall term each year; SPAN 112 offered spring term each year. Three semester hours each semester.

SPAN 211-212. Intermediate Spanish - A proficiency-oriented intermediate course consisting of a review of elementary skills and an integrated development of more complex listening, speaking, reading and writing skills. Cultural and literary readings serve as a basis for class discussion and written compositions. Three class periods and one laboratory period per week. SPAN 211 offered fall term each year; SPAN 212 offered spring term each year. Three semester hours each semester.

SPAN 301-302. Advanced Conversation and Composition - Intensive practice in the oral and written language with emphasis on vocabulary, syntax, and culture necessary for communication. Classes are conducted in Spanish. Prerequisites: SPAN 211 and 212 or equivalent. Spanish 301 offered fall term every three years; SPAN 302 offered spring term every three years. Three semester hours each semester.

SPAN 311. Survey of Spanish Literature: Iberian - An overview of the literature of Spain from the Middle Ages to the present. Selections from prominent authors of different periods and genres are read. Readings and discussions are in Spanish. Prerequisites: SPAN 211 and 212 or equivalent. Offered fall term every three years. Three semester hours.

SPAN 312. Survey of Spanish-American Literature - An overview of the literature of Latin America from the Colonial Period to the present. Selections from prominent authors of different periods, genres, and countries are read. Readings and discussions are in Spanish. Prerequisites: SPAN 211 and 212 or equivalent. Offered spring term every three years. Three semester hours.

SPAN 401. Civilization and Culture of Spain - A study of Spanish civilization and culture from prehistoric times to the present. Topics include geography, history, political and social structures, culture, and the arts. Readings, class discussion, and reports are in Spanish. Offered fall term every three years. Prerequisites: SPAN 211 and 212 or equivalent. Three semester hours.

SPAN 402. Civilization and Culture of Latin America - A study of Latin American civilization and culture from the ancient Indian civilizations to the present. Topics include geography, history, political and social structures, culture, and the arts. Readings, class discussions, and reports are in Spanish. Offered spring term every three years. Prerequisites: SPAN 211 and 212 or equivalent. Three semester hours.

SPAN 490. Directed Studies - A program of readings and conferences which provides for study of material not included in the regular course offerings. Available on demand. One to three semester hours.

SPAN 495. Seminar - A seminar designed to promote in-depth discussion, independent research, writing, and concentration in areas beyond regular course offerings. Topics vary from semester to semester. Available on demand. One to three semester hours per semester.

Theatre Arts

Area of Performing, Visual and Communicative Arts

A student may declare a fine arts major with a theatre emphasis. For further information on this major, refer to the information under the listing of fine arts.

The theatre arts minor fits well with numerous majors including but not limited to Bible, business administration, communications, English, history, humanities, and psychology. The study of theatre may serve to foster students' avocational interests as well as prepare them for more concentrated theatre studies in the future.

Fine Arts major - B.A. (35 hrs)

Theatre emphasis

For more information about the fine arts major with theatre emphasis, see "Fine Arts."

Teacher licensure for grades K-12

Theatre

Milligan College offers teacher licensure in theatre for grades K-12. Those interested in licensure to teach must take the following theatre and English courses:

MUSC 100 Applied Study: Voice (1 - 2 hrs)
THEA 141 Fundamentals of Voice/Stage Movement (3 hrs)
THEA 151 Introduction to Theatre (3 hrs)
THEA 242 Fundamentals of Acting (3 hrs)
THEA 340 Fundamentals of Directing (3 hrs)
THEA 343 Scenography (3 hrs)
THEA 345 Theatre Workshop (3 hrs)
ENGL 411 Twentieth-Century Literature (3 hrs)
Either ENGL 460 Elizabethan Drama or 461 Jacobean Drama (3 hrs)
Electives in fine arts (7 - 10 hrs)

Students wishing to pursue teacher licensure for grades K - 12 must also complete the following professional education courses (28 hrs):

EDUC 150 Introduction to Teaching (2 hrs)
EDUC 152 Technology in Education (1 hr)
EDUC 231 Psychology and Education of Exceptional Children (3 hrs)
EDUC 306 Middle Grades Foundations or 308 Secondary School Foundations (3 hrs)
EDUC 406 Middle Grades Curriculum and Methods or 408 Secondary Education Methods (3 hrs)
EDUC 455 Student Teaching: K - 12 (12 hrs)
EDUC 460 Capstone Seminar (1 hr)
PSYC 252 Developmental Psychology (3 hrs)

Theatre arts minor (18 hrs)

ENGL 460 Elizabethan Drama or 461 Jacobean Drama (3 hrs)
MUSC 100 Applied Study - Voice (2 hrs)
THEA 141 Fundamentals of Voice/Stage Movement (3 hrs)
THEA 151 Introduction to Theatre (3 hrs)
THEA 242 Fundamentals of Acting (3 hrs)
THEA 340 Fundamentals of Directing (3 hrs)
Elective hour in theatre arts
HPXS 208 may also apply toward the minor

Course descriptions

THEA 141. Fundamentals of Voice/Stage Movement - A survey course introducing the student to major vocal production and stage movement theorists as well as the LeCoq-based mask work and an introduction to stage dialects and stage combat. Offered spring term each year. Three semester hours.

THEA 151. Introduction to Theatre - The history and literature of the theatre from its Greek origins to the present. This course is designed to help the student relate drama in its historical context to contemporary man. Some emphasis is placed on films, dance, and musical theatre. The course is supplemented by films, attendance at area performances, and production work on the current semester's drama production. Offered fall term each year. Three semester hours.

THEA 242. Fundamentals of Acting - A study of techniques in acting. Class exercises are designed to develop relaxation, concentration, and improvisation skills. Audition techniques, monologue studies, and scene study are also emphasized. Laboratory experience includes participating in some facet of the current semester's drama production. Offered fall term each year. Three semester hours.

THEA 340. Fundamentals of Directing - A course emphasizing study of the various elements in the production of a play or a short film: theory, selection of play or screenplay, production, interpretation of the play or film, scene design, costumes, and make-up. The course culminates in the direction of a one-act play or short film for the public. This course is especially recommended for students preparing to supervise play or film production in the public schools. Prerequisites: COMM 270 and 323. Offered spring term even years. Three semester hours.

THEA 343. Scenography - A holistic approach to theatrical design taught every two years from one of two perspectives: scenic, lighting, sound, and props or costumes, masks, and props. Emphasis is placed on basic skills, including rendering and sketching techniques. Students are required to work on one or more technical areas of the current semester's production. Offered as needed. Three semester hours.

THEA 345. Theatre Workshop - An opportunity to gain experience in practical theatre work: touring, costuming, lighting, set designing, producing, and directing. Approval of instructor is required. Offered every term. One to six semester hours.

THEA 470. Readings in Drama - A concentrated program of readings in drama designed to provide a solid repertory for the beginning dramatist. Prerequisite: six hours in theatre arts. Offered summer term as needed. One to three semester hours.

THEA 490. Theatre Performance Recital/Portfolio - A capstone course for theatre emphasis majors in the fine arts. An individualized course of study to be determined by the student and an advisory committee. Performance students may do this in the form of an acting recital or final directing or playwriting project, while design oriented students may elect to do comprehensive work on preparing their design portfolio. Seniors only. Approval of chair is required. Three semester hours.

THEA 495. Seminar - A seminar designed to promote in-depth discussion, independent research, and writing in areas not included in the regular course offerings. Topics vary from semester to semester. To be announced. One to three semester hours.

Worship Leadership

Area of Biblical Learning

Few ministry roles have such an immediate impact on churches today as the Worship Leader. Milligan College seeks to prepare people for such leadership through a combination of biblical studies, historical awareness, general ministry preparation, and artistic skills. We believe that leading worship of God through Jesus Christ demands the best of knowledge and ability, but also the spiritual depth and integrity to help others worship "in spirit and truth." Consequently, this major is a combination of portions of the Bible/ministry major and of music and fine arts. Students are encouraged to take more of the classes in either discipline for additional benefit, but the combination in the requirements for this major will provide a good starting point and sufficient tools to build a solid and lasting ministry.

This major clearly supports the mission of the college in that it prepares students to "honor God through servant-leadership." It does that through aiming directly toward several of the objectives: it is based on developing and strengthening "a Positive, Personal Christian Faith that Jesus is Lord and Savior"; it strongly emphasizes "A Commitment to Follow the Teachings of the Christian Scripture" through every facet of both ministry role and personal life; it urges the students by leadership in the local church to "Recognize and Assume Responsibility in Society"; it promotes "Sound Scholarship" through the combination of disciplines of study and improvement of skills; it equips students for a professional career through a Christian vocation, thereby preparing people to "Secure an Enriched Quality of Life"; and it leads toward a "Healthy Lifestyle" by full participation in the active life of a local church and by using God-given talents directly in His service.

Worship leadership prepares a student to participate in the ministry staff of a local church and lead Christian people in worship that is scripturally sound and musically or artistically competent. By building on the basic education received in this Milligan degree program, a student can appropriately develop the worship and musical or artistic strengths of a church and personally function in other ministry roles if needed or desired. The liberal arts foundation and the cross-emphasis in ministry focus provide an excellent platform on which to stand and lead, or to continue to build more specialized leadership.

Milligan College expects those who graduate with a worship leadership major to (1) be equipped to lead worship in a way that conveys the fullness of mind and spirit before God - communicating with and for the current culture but still retaining the strength of scriptural faith and Christian history; (2) be prepared for service in a leadership role of ministry in the church and be able to function as a part of a team/staff relationship; (3) be able to understand, work with, and lead others in expressions of worship through musical, dramatic, and/or visual arts; (4) be equipped to pursue seminary or graduate education with a good preparation for that advanced study; and (5) provide a good Chrisrian example as a student of scripture and disciple of Jesus. Emphases of spiritual dependence upon God, solid academic study, including serious study of the Bible itself, and practices of both integrity and effectiveness highlight this program of study.

The Worship Leadership major consists of four clusters of courses in Bible, history, Christian ministry, and worship (see course requirements below).

Worship leadership major - B.A. (39 hrs)

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
HIST 341 and 342 Church History (6 hrs)
CMIN 250-253 Practical Ministries Colloquium A - D (2 hrs)
CMIN 273 Introduction to Ministry (3 hrs)
CMIN 365 Christian Worship (3 hrs)
CMIN 491 Practicum in Ministry (2 hrs)
MUSC 141 Basic Music Reading Skills OR 143 Basic Music Theory/Ear Training (3 hrs)
MUSC 454 Music Ministry Methods (3 hrs)
Applied study in music (2 hrs)
Participation in three semesters of music ensembles (1½ to 4 ½ hrs)
THEA 242 Fundamentals of Acting, 340 Fundamentals of Directing, OR 345 Theatre Workshop (3 hrs)

Additional electives pertinent to the student's interests and vocational objectives, sufficient to reach a minimum of thirty-nine hours, are to be selected in consultation with the student's faculty adviser.

The Worship Leadership major at Milligan leads to the B.A. degree, which requires intermediate proficiency in a foreign language. Language proficiency satisfies a general education requirement, not a requirement of the Worship Leadership major. For further ministerial or biblical studies, Greek is strongly recommended for the best study of the Bible.

Milligan offers two minors which are related to this major—the **Worship Ministry minor** and the **Music Ministry minor**. For more information about these minors, see "Worship Ministry" or "Music Ministry."

Worship Ministry

Area of Biblical Learning

In addition to majors in Bible/Ministry and Worship Leadership, Milligan College offers a minor in Worship Ministry. This minor focuses primarily on the theological aspects of worship more than on the practical or technical elements. For worship to be both effective and faithful, it needs scriptural and historical depth and reflection, which are the emphases of this minor

The Worship Ministry minor supports the Mission of the College by strongly emphasizing "A Positive, Personal Faith That Jesus is Lord and Savior" and encouraging students to learn and practice servant-leadership in the process of leading others in worship. Because worship should and does affect all of life, this minor helps develop and practice "A Commitment to Follow the Teachings of the Christian Scripture in One's Personal and Social Ethics" and "The Capacity to Recognize and Assume Responsibility in Society." And as a holistic view of life recognizes our need for worship, this course of study helps with "Participation in the Activities of a Healthy Lifestyle."

Worship reflects the core of Christian faith, and most churches see the need to make their worship the best it can be. Churches need people, therefore, who understand both the scriptural and historical significance of what is done and said in times of worship. As important as good skills and talents are in presenting public programs, the greater need is to know why we do what we do and what we are expressing in the process. This calls for biblical and historical awareness in order to respond faithfully to God's call to us as revealed in scripture and to present what best expresses Christian conviction as experienced in the Church for centuries. Staying contemporary in worship is a must for people of each generation to participate meaningfully, but that serves its purpose best when it is connected rightly to both scripture and tradition. This minor seeks to equip students to help in that endeavor, whether as a supplement to another major of focused Christian leadership or as a bi-vocational church leader.

Worship ministry minor (21 - 22 hrs)

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
BIBL elective (3 hrs)
CMIN 365 Christian Worship (3 hrs)
HIST 275 Selected Topics in the History of the Reformation of the Nineteenth Century (1 hr)
HIST 341 and 342 Church History (6 hrs)

Two to three hours from the following:
MUSC 141 Basic Music Reading Skills (3 hrs)
MUSC 143 Basic Music Theory/Ear Training (3 hrs)
Applied study in music
Participation in ensembles
Theater 242 Fundamentals of Acting, 340 Fundamentals of Directing, OR 345 Theatre Workshop (3 hrs)

Youth Ministry

Area of Biblical Learning

As a part of "changing lives and shaping culture," youth ministry is one of the most strategic opportunities to make an impact on people and the world. Beginning with "A Positive, Personal Faith that Jesus is Lord and Savior" this major emphasis supports and implements "A Commitment to Follow the Teachings of the Christian Scripture in One's Personal and Social Ethics." Because the youth of today are so important now and will be the unquestioned leaders of tomorrow, youth ministry emphasizes the "Capacity to Recognize and Assume Responsibility in Society." Classes focusing on biblical and historical foundations promote "The Knowledge, Meaning, and Application of Sound Scholarship" as do all the others that comprise this major, and, because of the attention given to youth, there is considerable emphasis on "Participation in the Activities of a Healthy Lifestyle." Youth ministry fits well into the overall purpose and mission of Milligan College, and the College provides excellent preparation for serving Jesus Christ through ministry to youth.

The youth ministry emphasis in the Bible/Ministry major prepares people to lead in ministering to and with young people, and that may include those from early childhood up through early adulthood. Both youth ministers and children's ministers will find this major effective in basic preparation for service, as will campus ministers, workers with various parachurch ministries such as camps, youth organizations, evangelism efforts and many more. Because of the strong foundation incorporated into this emphasis, people will have basic preparation to move into other areas of ministry from a traditional role.

Milligan College expects those who graduate with a Bible/Ministry major and a youth ministry emphasis to (1) be equipped to stay abreast of current changes in youth culture and communicate effectively through all those changes; (2) be prepared for service in a leadership role of ministry in the church and able to function as part of a team/staff relationship; (3) have a good foundation in biblical, church historical, and practical studies in order to prepare and deliver sound teaching to youth and to continue in lifelong learning; (4) be equipped to pursue seminary or graduate education with a good preparation for that advanced study; and (5) provide a good Christian example as a student of scripture. Emphases of spiritual dependence upon God, solid academic study, including serious study of the Bible itself, and practices of both integrity and effectiveness highlight this program of study.

Bible/Ministry major - B.A. or B.S. (38-39 hrs)

Youth ministry emphasis

For information about the Bible/Ministry major with the youth ministry emphasis, see the Bible/Ministry major.

Youth ministry minor (21 hrs)

BIBL 201 Jesus in the Gospels (3 hrs)
BIBL 211 Old Testament Images of God (3 hrs)
HIST 275 Selected Topics in the History of the Reformation of the Nineteenth Century (1 hr)
HIST 341 and 342 Church History (6 hrs)
CMIN 217 Foundation for Youth and Children's Ministry (3 hrs)
CMIN 318 Materials and Methods of Youth Ministries (2 hrs)

The Milligan Community

We distinguish those who hold some form of membership in the College as the "Milligan Community." Membership consists of six classifications: trustees, advisors, faculty, staff, students, and alumni. The term "Community" thus refers not to a geographic or social locality but rather to persons sustaining a relationship to one another through their membership in the College. These persons are held together by a common heritage, by common ideals, and by commitment to a common ultimate goal. Experience set in such a community is productive of a common spirit, a deep affection, a mutual trust, and an enthusiasm in discharging the responsibilities and enjoying the rewards incident to membership in the College.

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Susan Gayle Higgins, Professor of Sociology (1977), B.A., Lincoln Christian College; M.A. and Ph.D., Indiana University.

Charles M. Horvath, Assistant Professor of Business Administration (2003), B.S. and M.B.A., Pennsylvania State University; M.Div., Gordon-Conwell Theological Seminary; Ph.D., University of Massachusetts.

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Phyllis A. King, Assistant Professor of Nursing (1995), B.S.N., East Tennessee State University; M.S.N., The University of Tennessee, Knoxville.

Charlene L. Kiser, Associate Professor of Humanities (1989), B.A., Milligan College; M.A. and M.A., East Tennessee State University; The University of Tennessee, Knoxville; Ph.D. Candidate, Virginia Polytechnic Institute and State University; Michigan Technological University.

Jack L. Knowles, Professor of English (1970), B.A., Milligan College; M.A. and Ph.D., The University of Tennessee, Knoxville; The Ohio State University; University of Oxford.

Gary L. Leek, Associate Professor of Biology (1998), B.S., University of Missouri; M.S., Auburn University; Ph.D., Michigan State University.

Jill A. LeRoy-Frazier, Assistant Professor of Humanities and English (2001), B.A., University of Louisville; M.A. and Ph.D., University of Michigan.

Richard D. Lura, Professor of Chemistry (1971-1985, 1988), B.S., University of Wisconsin-Madison; Ph.D., Iowa State University; Medical College of Virginia.

J. Lee Magness, Britton Professor of Bible and Vera Britton Chair of Bible (1983), B.A., Milligan College; M.Div., Emmanuel School of Religion; Ph.D., Emory University; Vanderbilt University.

Patricia P. Magness, Professor of Humanities (1984), B.A., Milligan College; M.A., Vanderbilt University; Ph.D., Emory University; Boise State University; Georgia State University.

Robert L. Mahan, Jr., Associate Professor of Accounting (1988), B.B.A., Grand Valley State College; M.Acc., University of Georgia; Certified Public Accountant.

C. Richard Major, Professor of Theatre (1985), B.A., Milligan College; M.F.A., Michigan State University; Ohio University.

Mark A. Matson, Vice President for Academic Affairs and Dean and Assistant Professor of Bible (1985-1990, 1999), B.S., California State University, Humboldt; M.Div., Emmanuel School of Religion; Ph.D., Duke University; University of California, San Diego; Fuller Theological Seminary; Shasta Bible College.

Jeffrey D. Miller, Assistant Professor of Bible (1999), B.Th. and B.A., Nebraska Christian College; M.Div., Emmanuel School of Religion; East Tennessee State University; Ph.D., Iliff School of Theology and The University of Denver.

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Administrative faculty

Tracy N. Brinn, Director of Undergraduate Admissions (1995), B.S., Milligan College; M.A., East Tennessee State University.

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Donald R. Jeanes, President (1997), B.A. and D.D., Milligan College; M.Div., Emmanuel School of Religion; Emory University; University of Kentucky at Lexington; Middle Tennessee State University.

Mark A. Matson, Vice President for Academic Affairs and Dean and Assistant Professor of Bible (1985-1990, 1999), B.S., California State University, Humboldt; M.Div., Emmanuel School of Religion; Ph.D., Duke University; University of California, San Diego; Fuller Theological Seminary; Shasta Bible College.

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Christopher A. Rollston, Adjunct Instructor of Bible (2003), B.A., Great Lakes Christian College; M.A.R., Emmanuel School of Religion; M.A., and Ph.D., Johns Hopkins University.

David H. Sensibaugh, Adjunct Instructor of Business Administration (1991), B.A. and M.B.A., Virginia Polytechnic Institute and State University.

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Lois A. Witney, Adjunct Instructor of Nursing (2000), B.S., Andrews University; M.S., University of Illinois at the Medical Center; Ed.D., Illinois State University.

Faculty associates

Because Milligan College wishes to continue its relationships with those who have given unusual service as faculty or administrators, special status has been conferred on the following individuals who are no longer serving in a full-time capacity.

Patricia J. Bonner, Professor Emeritus of Human Performance and Exercise Science (1966)
Rowena Bowers, Associate Professor Emeritus of Health and Physical Education (1958)
Terry J. Dibble, Professor Emeritus of English (1971)
Robert O. Fife, Professor-at-Large (1954)
Phyllis Dampier Fontaine, Registrar Emeritus (1963)
Charles W. Gee, Professor Emeritus of Biology and Education (1967)
William C. Gwaltney, Jr., Professor Emeritus of Bible (1964)
Robert B. Hall, Professor Emeritus of Sociology (1967)
Howard A. Hayes, Professor Emeritus of Bible (1967)
W. Dennis Helsabeck, Sr., Professor Emeritus of Counseling (1963)
Ann Iles, Associate Professor Emeritus of Humanities and English (1975)
Virginia Laws, Assistant Professor Emeritus of Secretarial Science (1974)
John W. Neth, Director Emeritus of the P.H. Welshimer Library (1953-1959, 1962)
Loretta M. Nitschke, Assistant Professor Emeritus of Business Administration (1986)
J. Eugene Nix, Professor Emeritus of Chemistry (1967)
Euel J. Ownby, Associate Professor Emeritus of Education (1961)
G. Richard Phillips, Professor Emeritus of Bible (1967)
Eugene P. Price, Professor Emeritus of Economics and Business (1949)
Donald R. Shaffer, Associate Professor Emeritus of German (1963-1968, 1973)
Earl Stuckenbruck, Associate Professor Emeritus of Bible (1951-1952, 1968)
Evelyn Thomas, Adjunct Professor Emeritus of Music (1976)
Duard B. Walker, Professor Emeritus of Human Performance and Exercise Science (1951)
Henry E. Webb, Dean E. Walker Professor Emeritus of Church History (1950)
C. Robert Wetzel, Professor-at-Large (1961)

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Churches or individuals desiring information concerning these programs may write to the President of the College.

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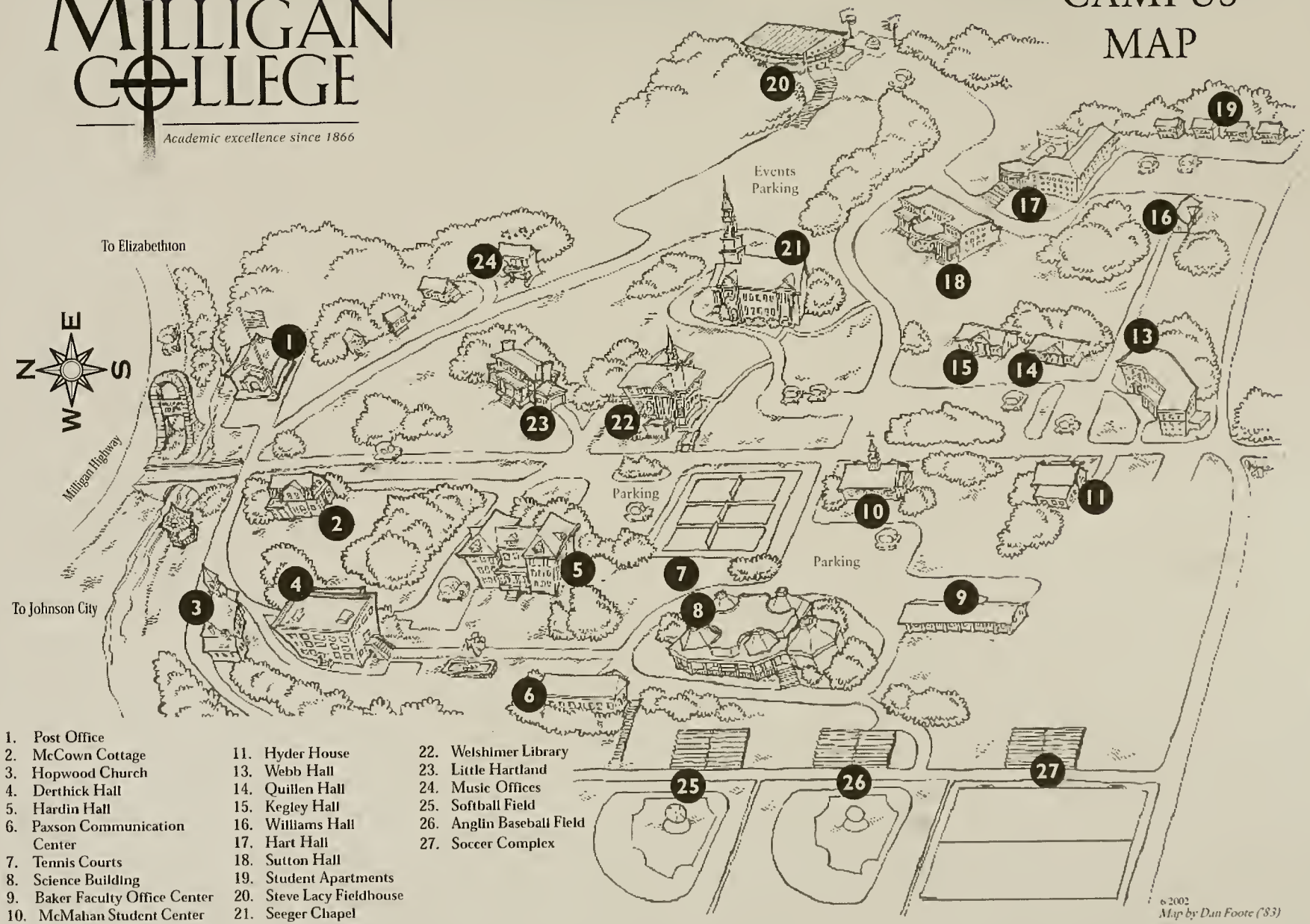
CAMPUS MAP



1. Post Office
2. McCown Cottage
3. Hopwood Church
4. Derthick Hall
5. Hardin Hall
6. Paxson Communication Center
7. Tennis Courts
8. Science Building
9. Baker Faculty Office Center
10. McMahan Student Center
11. Hyder House
13. Webb Hall
14. Quillen Hall
15. Kegley Hall
16. Williams Hall
17. Hart Hall
18. Sutton Hall
19. Student Apartments
20. Steve Lacy Fieldhouse
21. Seeger Chapel
22. Welshimer Library
23. Little Hartland
24. Music Offices
25. Softball Field
26. Anglin Baseball Field
27. Soccer Complex

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